

VINGTOR  STENTOFON



# ALPHACOM

INTEGRATED COMMUNICATION SYSTEMS

 when communication is critical

# VINGTOR STENTOFON

by ZENITEL GROUP

Vingtor-Stentofon products are developed by the Zenitel Group and comprise a range of high quality communications equipment and systems. In business since 1901, Zenitel's products are recognized worldwide for offering high quality communications for both offshore and onshore installations. Primary system offerings in the Vingtor-Stentofon product portfolio are Public Address and Intercom. Zenitel and the company's global partner network also integrate these systems with other security devices such as Radio, CCTV, Access Control and Alarm for a comprehensive security solution.



2015



2013



2012



2011



2009



1952



1964



1975



1996



2001

|                                      |           |
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## **Vingtor-Stentofon Takes VoIP a Step Further with its Own Critical Communication over IP (CCoIP)**

**CCoIP provides IP services and applications that are essential in critical and demanding environments. CCoIP offers unlimited features and benefits that are not included with standard VoIP including integrated security, exceptional audio quality, reliability and functionality.**

### **CCoIP includes the following features:**

#### **AUDIOTECHNOLOGY**

- HD Voice 200 Hz – 7 kHz (G.722)
- Telephony 3.4 kHz (G.711)
- Open duplex - acoustic echo cancellation
- Adaptive jitter buffers
- Adaptive time synchronization
- Volume override
- Background Noise cancellation
- Low latency VoIP switching

#### **SECURITY INTEGRATION**

- Software Development Kit (SDK)
- OPC
- SNMP

#### **IT/IP SECURITY**

- Integrated firewall
- Integrity check of software
- Network monitoring
- Secure link layer (encryption)
- Network access control (IEEE 802.1X)
- Virtual LAN (IEEE 802.1Q)

#### **OPERATION**

- Integrated web server
- Network supervision - detection and notification within seconds
- Centralized monitoring
- Centralized software maintenance
- Tone test and line monitoring
- SIM card based software configuration and disaster recovery

#### **ADVANCED FEATURES**

- Call queuing, priority and time of arrival
- Advanced messaging functions
- Mass notification - global group calls
- Radio conferences - global conference calls
- Dual port Ethernet switch
- Remote control and networking - AlphaNet
- Scalable from 2 to over 100 thousand stations

#### **INSTALLATION**

- Remote automatic software upgrade
- Centralized provisioning
- DHCP and static IP
- Power over Ethernet
- Backward compatible
- IP and analog infrastructure



## ALPHACOM XE AUDIO SERVERS

HD  
VOICE

- High capacity
- Energy saving
- Global networking and integration
- IP, SIP and analog station support
- Extended software options
- SIM card based software configuration and disaster recovery
- Fully backwards compatible with any AlphaCom system
- Extended memory supports future expansion and new services
- High quality professional PA broadcasting and messaging services
- Security voice guidance for public safety and building security
- Auto-attendant functionality (automatic voice supported switchboard)
- Voice supported call guidance



AlphaCom XE1

1 unit audio server supports  
from 2 to 552 IP stations



VINGTOR  STENTOFON

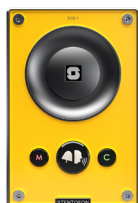
  
**turbine**

dare we call it an intercom?

when communication is critical



## TURBINE COMPACT SERIES



TCIS-1



TCIS-2



TCIS-3



TCIS-4



TCIS-5



TCIS-6

## TURBINE VIDEO SERIES



TCIV-2



TCIV-3



TCIV-6

## TURBINE MINI SERIES



TMIS-1



TMIS-2

## TURBINE INDUSTRIAL SERIES



TFIE-1



TFIE-2

## TURBINE EX SERIES



TFIX-1



TFIX-2



TFIX-3



TFIX-4

The Turbine Compact Series intercom stations are designed for the most demanding environments when communication is critical. All stations are dust-proof, and water & vandal resistant, with all electronics enclosed by a 3 mm thick, aluminum die-casted base.

The Turbine Industrial and Ex Series intercom stations are rugged devices developed for use in extremely harsh and potentially explosive environments. The plastic housing is designed to withstand most chemical and environmental hazards found both on land and offshore.

### EXCEPTIONAL AUDIO

- A world's first - Open Duplex capabilities at output levels of up to 95dB
- Extreme sound pressure levels of up to 105dB
- Automatic Volume Adjustment
- Background Noise cancellation capable of extracting ambient noise levels louder than speaker's voice
- Automatic gain control - constant volume levels are maintained regardless of the speaker's distance from the station.

### REFINED DESIGN

- Refined, minimal Scandinavian design
- Easy, straightforward and understandable interface
- Acoustically superior circular speaker grille

### VERSATILITY

- Comprehensive range
- Ideal for many environments and situations
- Thermoplastic and stainless steel faceplate versions

### DISABILITY ACT REQUIREMENTS

- Backlit LED buttons with standardized button icons
- Induction loop capabilities
- Background Noise cancellation, automatic gain control and superior audio quality

### EXTREME ROBUSTNESS

- IP66 and impact resistance between IK 8 and 10
- All electronics are covered by a 3mm thick, aluminum die-casted base
- This base is even further reinforced by a faceplate in either stainless steel or thermoplastic
- Vandal Resistant LED backlit buttons
- Digital MEMS microphone is immune to electromagnetic radiation interference.
- Functions at extreme temperatures at both ends of the spectrum.

# ALPHACOM INTERCOM STATIONS



## IP INTERCOM STATIONS

Vingtor-Stentofon offers a comprehensive range of IP intercom solutions.

IP intercom stations offer numerous advantages over their analog counterparts, such as minimal installation requirements, remote software upgrades and Power over Ethernet (PoE), among others.

1008001000 / 1008001100

## IP DESK/WALL MASTER STATION, DISPLAY AND HANDSET

- Connects directly to the IP network, no geographical limitations
- 85 dB audio pressure 1 meter from speaker
- Large high contrast display with backlight for excellent readability
- 10 freely programmable single-touch keys (DAK)
- Queuing of calls according to priority and time of arrival, 256 priority levels
- Superb audio technology
- Integrated Web server for easy configuration and monitoring
- Remote software upgrade, configuration and monitoring
- Background Noise Cancellation
- 1008001000: White Color
- 1008001100: Black Color



Size (WxHxD): 225 x 75 x 176mm Wt: 0.7kg

Accessories: 1008091100 Wall bracket for Desktop

1008031000

## CRM-V IP FLUSH MASTER WITH DISPLAY

- Connects directly to the IP network, no geographical limitations
- Large high contrast display with backlight for excellent readability
- White light behind all keys
- Four freely programmable single-touch keys (DAK)
- Superb audio technology
- Optional handset unit
- Remote upgrade, configuration and monitoring
- Background Noise Cancellation



Size (WxHxD): 125 x 280 x 30mm Wt: 0.63kg

Accessories: 1008097500 Gooseneck Microphone, 1008097100 Handset, 1008098700 Flush Mount Back Box, 2810020004/5/6 Desk Stand

1008010100

## CRM-V-DAK48 IP DAK EXPANSION MODULE

- Extends IP Flush Master Station with 48 programmable DAK keys (direct access keys)
- Ideal for control room applications
- Visual indications with two LEDs (green/red) per DAK key
- All keys have backlight (adjustable)
- Easy labeling of keys
- Advanced call request handling with visual indications
- CCTV and intercom integration



Size (WxHxD): 125 x 280 x 30mm Wt: 0.65kg

Accessories: 1008031000 IP Flush Master, display, 1009648001 License for CRM-V DAK expansion, 1008010101 Label paper for IP DAK-48 Unit

1008000000

## IP DESK/WALL MASTER STATION, DISPLAY

- Connects directly to the IP network, no geographical limitations
- 85 dB audio pressure 1 meter from speaker
- Large high contrast display with backlight for excellent readability
- 10 freely programmable single-touch keys (DAK)
- Queuing of calls according to priority and time of arrival, 256 priority levels
- Superb audio technology
- Integrated Web server for easy configuration and monitoring
- Remote software upgrade, configuration and monitoring
- Background Noise Cancellation



Size (WxHxD): 168 x 75 x 176mm Wt: 0.5kg

Accessories: 1008091100 Wall bracket for Desktop

1008007000

## IP DUAL DISPLAY STATION

- IP station with full access to all features in the AlphaCom exchange
- Remote software upgrade, configuration and monitoring
- Powered from the IP network cable using Power over Ethernet (PoE)
- Superb audio quality – high bandwidth codec, acoustic echo cancellation and high output power amplifier
- Displays with backlight
- The station may use up to 90 Direct Access Keys (DAK) on 9 dynamic DAK pages. The dialing keys have letters to be used for search facility in the intercom directory and display text editing
- Background Noise Cancellation



Size (WxHxD): 72 x 140 x 270mm Wt: 0.4kg

Accessories: 1007007010 Microphone for Dual Display Station

1408001635

## IP DESKTOP VIDEO STATION WITH VIDEO DISPLAY

- 3.5" LCD touchscreen display
- Designed to deliver CCoIP – Critical Communication over IP
- Call queue according to priority and time of call, 256 priority levels
- Ten DAKs provide single-touch access to stations, group calls, audio monitoring, public address zones, radio channels and telephone lines
- Comes with handset for private conversations
- Superb audio quality – high bandwidth codec, acoustic echo cancellation and high output power amplifier
- Remote software upgrade, configuration and monitoring
- Background Noise Cancellation



Size (WxHxD): 225 x 176 x 75 mm Wt: 0.7 kg

1402001000 / 1402001500

## SCHOOL IP INTERCOM

- Robust wallmount IP intercom
- Alarm button protected by security glass pane
- Robust keypad with 16 keys
- 4 freely programmable direct access keys
- Large graphic display with max. 4 lines à 16 characters
- Built-in vandal-resistant electret microphone
- Built-in vandal-resistant speaker
- Volume control via direct access keys
- Key-lock protection using security code
- Background Noise Cancellation
- 1402001500: with RFID



Size (WxHxD): 280 x 125 x 37 mm Wt: 1 kg

Accessories: 1402001010 Surface-Mount Backbox, 1402001030 Flush-Mount Backbox

1401110100

## IP VIDEO STATION WITH CP-CAM CAMERA

- Robust housing with Aluminium frontplate
- IP65 rating for frontplate
- PoE Powered from one IP network cable
- IP Video camera by CP-CAM
- AlphaCom Substation with all CCoIP features
- Relay output for remote control, e.g. doors, signal lamps and gates
- Button with bi-color LED ring
- Background Noise Cancellation



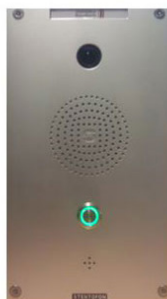
Size (WxHxD): 150 x 260 x 45 mm Wt: 1 kg

Accessories: 1401199101 Flush Mount Box, 1401199111 On-Wall Housing, 1401199112 Weather Protection Roof

1401110200

## IP VIDEO STATION WITH AXIS CAMERA

- Robust housing with Aluminium frontplate
- IP65 rating for frontplate
- PoE Powered from one IP network cable
- IP HD Video camera by AXIS
- AlphaCom Substation with all CCoIP features
- Relay output for remote control, e.g. doors, signal lamps and gates
- Button with bi-color LED ring
- Background Noise Cancellation



Size (WxHxD): 150 x 260 x 45 mm Wt: 1 kg

Accessories: 1401199101 Flush Mount Box, 1401199111 On-Wall Housing, 1401199112 Weather Protection Roof

1008015000

## IP OR MASTER WITH DISPLAY

- Connects directly to the IP network, no geographical limitations
- Large high contrast display with backlight for excellent readability
- Flat chemical resistant and anti-bacterial front surface for easy cleaning
- 4 freely programmable single-touch keys (DAK)
- Superb audio technology – possible to talk and listen at a distance (5m)
- Integrated web server for easy configuration and monitoring
- Background Noise Cancellation



Size (WxHxD): 125 x 280 x 30mm Wt: 0.63kg

Accessories: 1008098700 Flush Mount Back Box

1008041100 / 1008042100

## IP VANDAL RESISTANT SUBSTATION

- Connects directly to the IP network, no geographical limitation
- Dual Ethernet ports for connection of other IP device
- Possible connection to external IP video camera
- One relay output for door lock control or flash strobe light, etc.
- Remote software upgrade, configuration and monitoring
- Stainless steel front (A304)
- Background Noise Cancellation
- 1008041100: 1 Button
- 1008042100: 2 Buttons



Size (WxHxD): 92 x 180 x 46mm Wt: 0.8kg

Accessories: 1008098100 Flush Mount Back Box, 1008098000 On Wall Back Box

1008041150

## IP VANDAL RESISTANT SUBSTATION, CONFORMAL COATED

- Connects directly to the IP network, no geographical limitation
- Dual Ethernet ports for connection of other IP device
- Possible connection to external IP video camera
- One relay output for door lock control or flash strobe light, etc.
- Remote software upgrade, configuration and monitoring
- Stainless steel front (A304)
- Background Noise Cancellation



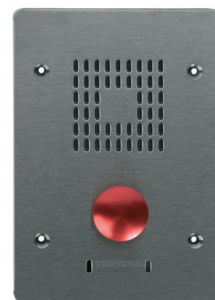
Size (WxHxD): 92 x 180 x 46mm Wt: 0.8kg

Accessories: 1008098100 Flush Mount Back Box, 1008098000 On Wall Back Box

1008051000

## IP VANDAL RESISTANT SUBSTATION, 3 GANG BACK BOX

- Connects directly to the IP network, no geographical limitation
- Dual Ethernet ports for connection of other IP device
- Possible connection to external IP video camera
- One relay output for door lock control or flash strobe light, etc.
- Remote software upgrade, configuration and monitoring
- Stainless steel front (A304)
- Background Noise Cancellation



Size (WxHxD): 114 x 160 x 63mm Wt: 0.8kg

Accessories: 1008098300 3 Gang Flush Mount Back Box

1009648011

## SOFTCLIENT - 1 LICENSE

- Turn your PC into a intercom and access a wide range of critical communication services including intercom, public address, radio and telephony from your PC
- 1009648012 6 Licenses
- 1009648013 12 Licenses
- 1009648014 36 Licenses
- 1009648015 138 Licenses



Size (WxHxD): Resizable

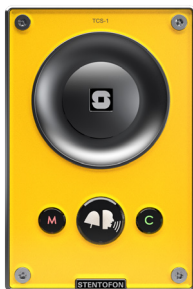


## TURBINE

1008111010

### TCIS-1

- Amazing sound pressure level when needed
- Background noise cancellation
- Dirt, dust and water resistant - Class IP 66
- Built to last with robust die-cast aluminum frame - Class IK 08
- Designed according to the norm for hearing impaired
- Support wide set of IP and networking standards
- Yellow thermoplastic front plate with one button + M and C
- Ideal for Industrial Applications



**Size (WxHxD): 120 x 180 x 70mm Wt: 0.8kg**

Accessories: 1008140010 TA-1 Turbine Compact On Wall Box, 1008140020 TA-2 Turbine Compact Flush Back Box, 1008140050 TA-5 Wall Bracket for Turbine Compact

1008111040

### TCIS-4

- Amazing sound pressure level when needed
- Background noise cancellation
- Dirt, dust and water resistant - Class IP 66
- Built to last with robust die-cast aluminum frame - Class IK 08
- Designed according to the norm for hearing impaired
- Support wide set of IP and networking standards
- Black thermoplastic front plate with one labelled button
- Unique labeling solution with PMOLED display
- Ideal for Building Security and Public Environments



**Size (WxHxD): 120 x 180 x 70mm Wt: 0.8kg**

Accessories: 1008140010 TA-1 Turbine Compact On Wall Box, 1008140020 TA-2 Turbine Compact Flush Back Box, 1008140050 TA-5 Wall Bracket for Turbine Compact

1008111020

### TCIS-2

- Amazing sound pressure level when needed
- Background noise cancellation
- Dirt, dust and water resistant - Class IP 66
- Built to last with robust die-cast aluminum frame - Class IK 10
- Designed according to the norm for hearing impaired
- Support wide set of IP and networking standards
- Stainless steel front plate with one button
- Ideal for Building Security and Public Environments



**Size (WxHxD): 120 x 180 x 70mm Wt: 0.8kg**

Accessories: 1008140010 TA-1 Turbine Compact On Wall Box, 1008140020 TA-2 Turbine Compact Flush Back Box, 1008140050 TA-5 Wall Bracket for Turbine Compact

1008111050

### TCIS-5

- Amazing sound pressure level when needed
- Background noise cancellation
- Dirt, dust and water resistant - Class IP 66
- Built to last with robust die-cast aluminum frame - Class IK 08
- Designed according to the norm for hearing impaired
- Support wide set of IP and networking standards
- Black thermoplastic front plate with two labelled buttons
- Unique labeling solution with PMOLED display
- Ideal for Building Security and Public Environments



**Size (WxHxD): 120 x 180 x 70mm Wt: 0.8kg**

Accessories: 1008140010 TA-1 Turbine Compact On Wall Box, 1008140020 TA-2 Turbine Compact Flush Back Box, 1008140050 TA-5 Wall Bracket for Turbine Compact

1008111030

### TCIS-3

- Amazing sound pressure level when needed
- Background noise cancellation
- Dirt, dust and water resistant - Class IP 66
- Built to last with robust die-cast aluminum frame - Class IK 08
- Designed according to the norm for hearing impaired
- Support wide set of IP and networking standards
- Black thermoplastic front plate with one button
- Ideal for Building Security and Public Environments



**Size (WxHxD): 120 x 180 x 70mm Wt: 0.8kg**

Accessories: 1008140010 TA-1 Turbine Compact On Wall Box, 1008140020 TA-2 Turbine Compact Flush Back Box, 1008140050 TA-5 Wall Bracket for Turbine Compact

1008111060

### TCIS-6

- Amazing sound pressure level when needed
- Background noise cancellation
- Dirt, dust and water resistant - Class IP 66
- Built to last with robust die-cast aluminum frame - Class IK 08
- Designed according to the norm for hearing impaired
- Support wide set of IP and networking standards
- Black thermoplastic front plate with scrolling unit for calling to an unlimited number of places
- PMOLED display
- Ideal for Building Security and Public Environments



**Size (WxHxD): 120 x 180 x 70mm Wt: 0.8kg**

Accessories: 1008140010 TA-1 Turbine Compact On Wall Box, 1008140020 TA-2 Turbine Compact Flush Back Box, 1008140050 TA-5 Wall Bracket for Turbine Compact

1008115020

### TCIV-2

- HD Video at up to 25 FPS (720p)
- Wide angle lens (90°)
- MJPEG and H.264 for integration with most Video solutions
- Designed according to Disability Act requirements
- Background noise cancellation
- Dirt, dust and water resistant - rating IP-65
- Built to last with robust die-cast aluminum frame
- Supports wide set of IP and networking standards
- Stainless steel front plate with one button
- Ideal for Building Security and Public Environments
- Background Noise Cancellation



Size (WxHxD): 120 x 180 x 70mm Wt: 0.8kg

Accessories: 1008140010 TA-1 Turbine Compact On Wall Box, 1008140020 TA-2 Turbine Compact Flush Back Box, 1008140050 TA-5 Wall Bracket for Turbine Compact

1008115030

### TCIV-3

- HD Video at up to 25 FPS (720p)
- Wide angle lens (90°)
- MJPEG and H.264 for integration with most Video solutions
- Designed according to Disability Act requirements
- Background noise cancellation
- Dirt, dust and water resistant - rating IP-65
- Built to last with robust die-cast aluminum frame
- Supports wide set of IP and networking standards
- Black thermoplastic front plate with one button
- Ideal for Building Security and Public Environments
- Background Noise Cancellation



Size (WxHxD): 120 x 180 x 70mm Wt: 0.8kg

Accessories: 1008140010 TA-1 Turbine Compact On Wall Box, 1008140020 TA-2 Turbine Compact Flush Back Box, 1008140050 TA-5 Wall Bracket for Turbine Compact

1008115060

### TCIV-6

- HD Video at up to 25 FPS (720p)
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- Dirt, dust and water resistant - rating IP-65
- Built to last with robust die-cast aluminum frame
- Supports wide set of IP and networking standards
- Black thermoplastic front plate with scrolling unit for calling to an unlimited number of places
- PMOLED display
- Ideal for Building Security and Public Environments
- Background Noise Cancellation



Size (WxHxD): 120 x 180 x 70mm Wt: 0.8kg

Accessories: 1008140010 TA-1 Turbine Compact On Wall Box, 1008140020 TA-2 Turbine Compact Flush Back Box, 1008140050 TA-5 Wall Bracket for Turbine Compact

1023200033

### ECPIR-3P

- Indoor intercom for console mounting
- Communication and Power over Ethernet
- Three programmable buttons with individual labels and status indicators
- Separate PTT button
- Optional button protection covers
- Indicators for power, call and fault
- Can be used with either handheld or gooseneck microphone
- Up to four EBMDR-8 expansion modules can be connected
- Background Noise Cancellation
- IP Rating: IP-32



Size (WxHxD): 96 x 144 x 50 mm Weight: 0.5 kg

Accessories: 1023253008 EBMDR-8 Button Expansion Module, 1023533011 EMMAR-1H Handheld Mic, 3005020033 MB-30G Gooseneck Mic

1023253008

### EBMDR-8

- Button expansion module for console mounted ECPIR-3P intercom
- Powered from master intercom
- Eight programmable buttons with individual labels and status indicators
- Optional button protection covers
- Four units can be connected to one intercom



Size (WxHxD): 96 x 144 x 50 mm Weight: 0.5 kg

IP Rating: IP-32

1008116010

### TMIS-1 TURBINE MINI

- Background Noise Cancellation
- Built to last with robust die-cast aluminum frame
- White thermoplastic front plate with one button



Size (WxHxD): 116 x 116 x 40 mm Wt: 0.3 kg

Accessories: 1008140020 TA-2 Turbine Compact Flush Back Box, 1008140030 TA-3 Turbine Compact Flush Back Box, 1008140120 TA-12 Turbine Mini On-Wall Backbox Black, 1008140130 TA-13 Turbine Mini On-Wall Backbox White

1008116020

### TMIS-2 TURBINE MINI

- Background Noise Cancellation
- Vandal Resistant Design
- 11 Gauge Stainless Steel Faceplate



Size (WxHxD): 114 x 114 x 55 mm Wt: 0.5 kg

Accessories: 1008140020 TA-2 Turbine Compact Flush Back Box, 1008140030 TA-3 Turbine Compact Flush Back Box, 1008140120 TA-12 Turbine Mini On-Wall Backbox Black, 1008140130 TA-13 Turbine Mini On-Wall Backbox White



**1008122010****TFIE-1**

- IP intercom for industrial environments
- Dual Ethernet connectivity for redundant networks
- PoE powered
- Auxiliary DC power for redundancy
- DIP functionality for use with AlphaCom servers
- SIP/VoIP functionality for use with 3rd-party systems
- Dual relay outputs
- 6 configurable I/Os
- Dust- and water-protected to IP-66
- Accessories include Handheld PTT, Headset with ON/OFF and PTT and Handset with PTT
- Monitoring and self-diagnostics of critical functionality
- Visible status indicators on front panel
- Background Noise Cancellation



**Size (WxHxD): 178 x 345 x 101 mm Weight: 1.9 kg**

Accessories: 1023533311 EMMAI-1H Mic, 1023533312 EMMAI-2H Mic, 1008140230 TA-23 Handset, AK5850HS Headset, 1008140225 TA-22B Cable & Plugbox, 1008140100 TA-10 Relay Module

**1008122020****TFIE-2**

- IP intercom for industrial environments
- Dual Ethernet connectivity for redundant networks
- PoE powered
- Auxiliary DC power for redundancy
- DIP functionality for use with AlphaCom servers
- SIP/VoIP functionality for use with 3rd-party systems
- Dual relay outputs
- 6 configurable I/Os
- Dust- and water-protected to IP-66
- Accessories include Handheld PTT, Headset with ON/OFF and PTT and Handset with PTT
- Monitoring and self-diagnostics of critical functionality
- Visible status indicators on front panel
- Background Noise Cancellation



**Size (WxHxD): 178 x 345 x 101 mm Weight: 1.9 kg**

Accessories: 1023533311 EMMAI-1H Mic, 1023533312 EMMAI-2H Mic, 1008140230 TA-23 Handset, AK5850HS Headset, 1008140225 TA-22B Cable & Plugbox, 1008140100 TA-10 Relay Module

**1008123010****TFIX-1**

- Ex IP intercom for potentially explosive atmospheres - Directive 94/9/EC
- Ethernet compatible 2-wire interface
- DIP functionality for use with AlphaCom audio servers
- SIP/VoIP functionality for use with 3rd-party systems
- Dust- and water-protected to IP-66
- Monitoring and self-diagnostics of critical functionality
- Visible status indicators on front panel
- Background Noise Cancellation



**Size (WxHxD): 178 x 345 x 101 mm Weight: 4 kg**

Accessories: 1023533511 EMMAX-1H Mic, 1008150030 TAX-3 Handset, AK5850HS Headset, 1008150025 TAX-2B Cable & Plugbox

**1008123020****TFIX-2**

- Ex IP intercom for potentially explosive atmospheres - Directive 94/9/EC
- Ethernet compatible 2-wire interface
- DIP functionality for use with AlphaCom audio servers
- SIP/VoIP functionality for use with 3rd-party systems
- Dust- and water-protected to IP-66
- Monitoring and self-diagnostics of critical functionality
- Visible status indicators on front panel
- Background Noise Cancellation



**Size (WxHxD): 178 x 345 x 101 mm Weight: 4 kg**

Accessories: 1023533511 EMMAX-1H Mic, 1008150030 TAX-3 Handset, AK5850HS Headset, 1008150025 TAX-2B Cable & Plugbox

**1008123030****TFIX-3**

- Ex IP intercom for potentially explosive atmospheres - Directive 94/9/EC
- Ethernet compatible 2-wire interface
- DIP functionality for use with AlphaCom audio servers
- SIP/VoIP functionality for use with 3rd-party systems
- Dust- and water-protected to IP-66
- Monitoring and self-diagnostics of critical functionality
- Visible status indicators on front panel
- Background Noise Cancellation



**Size (WxHxD): 178 x 345 x 101 mm Weight: 4 kg**

Accessories: 1023533511 EMMAX-1H Mic, 1008150030 TAX-3 Handset, AK5850HS Headset, 1008150025 TAX-2B Cable & Plugbox

**1008123040****TFIX-4**

- Ex IP intercom for potentially explosive atmospheres - Directive 94/9/EC
- Ethernet compatible 2-wire interface
- DIP functionality for use with AlphaCom audio servers
- SIP/VoIP functionality for use with 3rd-party systems
- Dust- and water-protected to IP-66
- Monitoring and self-diagnostics of critical functionality
- Visible status indicators on front panel
- Background Noise Cancellation



**Size (WxHxD): 178 x 345 x 101 mm Weight: 4 kg**

Accessories: 1023533511 EMMAX-1H Mic, 1008150030 TAX-3 Handset, AK5850HS Headset, 1008150025 TAX-2B Cable & Plugbox

## HEAVY DUTY IP INTERCOM STATIONS

1008072220

### IP HEAVY DUTY TELEPHONE, DOOR, HOTLINE

- Made for critical communication in rough environments like roads, tunnels, ships
- Extremely water and dust resistant (IP67)
- Very durable with 5mm aluminum casing and stainless steel components
- Magnetic reed hook-switch ensures minimal wear and tear
- Supports VoIP with SIP and CCoIP with AlphaCom
- Supports local power and Power over Ethernet (PoE)
- Integrated data switch with advanced networking and security functions
- Supports HD Voice



**Size (WxHxD): 205 x 320 x 148mm Wt: 5.4kg**

Accessories: 1020600992 IRR-3 Relay Box 24V DC or 220V AC - Signal Unit WT - IP-66

1008072120

### IP HEAVY DUTY TELEPHONE, HOTLINE

- Made for critical communication in rough environments like roads, tunnels, ships
- Extremely water and dust resistant (IP67)
- Very durable with 5mm aluminum casing and stainless steel components
- Magnetic reed hook-switch ensures minimal wear and tear
- Supports VoIP with SIP and CCoIP with AlphaCom
- Supports local power and Power over Ethernet (PoE)
- Integrated data switch with advanced networking and security functions
- Supports HD Voice



**Size (WxHxD): 205 x 320 x 120mm Wt: 5kg**

Accessories: 1020600992 IRR-3 Relay Box 24V DC or 220V AC - Signal Unit WT - IP-66

1008072100

### IP HEAVY DUTY TELEPHONE, FULL KEYPAD

- Made for critical communication in rough environments like roads, tunnels, ships
- Extremely water and dust resistant (IP67)
- Very durable with 5mm aluminum casing and stainless steel components
- Magnetic reed hook-switch ensures minimal wear and tear
- Supports VoIP with SIP and CCoIP with AlphaCom
- Supports local power and Power over Ethernet (PoE)
- Integrated data switch with advanced networking and security functions
- Supports HD Voice



**Size (WxHxD): 205 x 320 x 120mm Wt: 5kg**

Accessories: 1020600992 IRR-3 Relay Box 24V DC or 220V AC - Signal Unit WT - IP-66

1008072200

### IP HEAVY DUTY TELEPHONE, DOOR, FULL KEYPAD

- Made for critical communication in rough environments like roads, tunnels, ships
- Extremely water and dust resistant (IP67)
- Very durable with 5mm aluminum casing and stainless steel components
- Magnetic reed hook-switch ensures minimal wear and tear
- Supports VoIP with SIP and CCoIP with AlphaCom
- Supports local power and Power over Ethernet (PoE)
- Integrated data switch with advanced networking and security functions
- Supports HD Voice



**Size (WxHxD): 205 x 320 x 148mm Wt: 5.4kg**

Accessories: 1020600992 IRR-3 Relay Box 24V DC or 220V AC - Signal Unit WT - IP-66

1008070000

### IP HOTLINE STATION

- Made for critical communication in roadside and tunnel environments
- Water and dust resistant
- Designed in flame and chip resistant plastic
- Superb audio quality
- Supports VoIP with SIP and CCoIP with AlphaCom
- Supports local power and PoE
- Integrated data switch with advanced networking and security functions
- Advanced supervision functions



**Size (WxHxD): 124 x 244 x 140mm Wt: 1.0kg**

## ANALOG INTERCOM STATIONS

1007072090 / 1007071090

### VMP-D619B DESK/WALL MASTER STATION WITH DISPLAY

- Combined wall and desk master station with display and handset
- Requires separately ordered station cable and wall bracket
- Ten freely programmable single-touch keys (DAK)
- Queuing of calls according to priority and time of arrival, 256 priority levels
- 1007072090: with Handset
- 1007071090: no Handset



**Size (WxHxD):** 225 x 75 x 176mm **Wt:** 0.7kg

Accessories: 1008091100 Wall Bracket for Desktop, 1009800130/115 Station Cable with RJ45 connector

1007034310 / 1007036310

### VMP-D619 DESK/WALL MASTER STATION WITH DISPLAY

- Combined wall and desk master station with display
- Requires separately ordered station cable and wall bracket
- Ten freely programmable single-touch keys (DAK)
- Queuing of calls according to priority and time of arrival, 256 priority levels
- 1007034310: with Handset
- 1007036310: no Handset



**Size (WxHxD):** 225 x 75 x 176mm **Wt:** 0.7kg

Accessories: 1008091100 Wall Bracket for Desktop, 1009800130/115 Station Cable with RJ45 connector

1007034210 / 1007036210

### VMP-619 DESK/WALL MASTER STATION

- Combined wall and desk master station with handset
- Requires separately ordered station cable and wall bracket
- Ten freely programmable single-touch keys (DAK)
- Queuing of calls according to priority and time of arrival, 256 priority levels
- 1007034210: with Handset
- 1007036210: no Handset



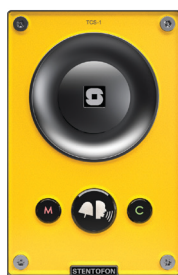
**Size (WxHxD):** 225 x 75 x 176mm **Wt:** 0.7kg

Accessories: 1008091100 Wall Bracket for Desktop, 1009800130/115 Station Cable with RJ45 connector

1008114010

### TCAS-1

- Analog MEMS microphone
- Unique 3D speaker grille design
- Dirt, dust and water resistant - rating IP-66
- Built to last with robust die cast aluminium frame - rating IK 08
- Yellow thermoplastic front plate with one button plus M and C
- Ideal for Industrial applications



**Size (WxHxD):** 120 x 180 x 54mm **Wt:** 0.8kg

Accessories: 1008140010 TA-1 Turbine Compact On Wall Box, 1008140030 TA-3 Turbine Compact Flush Back Box, 1008140050 TA-5 Wall Bracket for Turbine Compact

1008114020

### TCAS-2

- Analog MEMS microphone
- Unique 3D speaker grille design
- Dirt, dust and water resistant - rating IP-66
- Built to last with robust die cast aluminium frame - rating IK 10
- Stainless steel front plate with one button
- Ideal for Building Security and Public Environments



**Size (WxHxD):** 120 x 180 x 54mm **Wt:** 0.8kg

Accessories: 1008140010 TA-1 Turbine Compact On Wall Box, 1008140030 TA-3 Turbine Compact Flush Back Box, 1008140050 TA-5 Wall Bracket for Turbine Compact

1008114030

### TCAS-3

- Analog MEMS microphone
- Unique 3D speaker grille design
- Dirt, dust and water resistant - rating IP-66
- Built to last with robust die cast aluminium frame - rating IK 08
- Black thermoplastic front plate with one button
- Ideal for Building Security and Public Environments



**Size (WxHxD):** 120 x 180 x 54mm **Wt:** 0.8kg

Accessories: 1008140010 TA-1 Turbine Compact On Wall Box, 1008140030 TA-3 Turbine Compact Flush Back Box, 1008140050 TA-5 Wall Bracket for Turbine Compact

1007042000

### WALL MASTER STATION, DISPLAY

- Fully equipped analog master station with free access to all extensions and features
- 8 freely programmable single touch keys (DAK)
- 2 x 16 character alphanumeric display
- Private / Open switch
- Red 'microphone live' lamp
- Built-in 63 Ohm / 1 W loudspeaker
- Adjustable loudspeaker volume



Size (WxHxD): 125 x 280 x 53mm Wt: 0.8kg

Accessories: Requires 1000602000 Flush Mount Back Box or 1000603000 On Wall Back Box

1007040000

### WALL MASTER STATION, STANDARD

- Fully equipped analog master station with free access to all extensions and features
- Private / Open switch
- Built-in 63 Ohm / 1 W loudspeaker
- Adjustable loudspeaker volume
- Excellent sound quality



Size (WxHxD): 125 x 280 x 53mm Wt: 0.6kg

Accessories: Requires 1000602000 Flush Mount Back Box or 1000603000 On Wall Back Box

1007007000

### DUAL DISPLAY STATION

- Desktop master station with optional gooseneck microphone module
- Up to 90 freely programmable direct access keys (DAK) on nine pages with information text for each key on the display
- Four navigation keys for quick access to system menus and directory entries
- Status information, guidance and menus are shown on a large 4 line graphic display
- Requires separately ordered station cable



Size (WxHxD): 72 x 140 x 270mm Wt: 0.4kg

Accessories: 1009800130/115 Station Cable with RJ45 connector, 1007007010 Microphone for Dual Display Station

1007061000

### VANDAL PROOF STATION

- One call button with confirmation light
- Designed for prisons and correctional facilities
- Tamper & scream alarm, guard presence mode and several I/Os for adaptation to local needs
- Vandal proof design with 2.5mm steel front, sensor button and microphone/speaker protection
- Integrated light signalling system
- Redundant backup for power and signalling



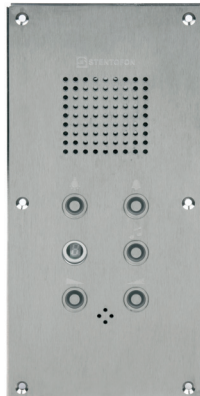
Size (WxHxD): 128 x 264 x 51mm Wt: 0.95kg

Accessories: 1007060155 Flush Mount Back Box with Anchors, 1007060150 On Wall Back Box, 1007060130 Corridor Lamp, 1007060120 Remote Call Button

1007063000

### VANDAL PROOF STATION

- 5 buttons and one numerical display, light control and call with confirmation light, program selection, program selection display, vol. control
- Designed for prisons and correctional facilities
- Tamper & scream alarm, guard presence mode & several I/Os for adaptation to local needs
- Vandal proof design with 2.5mm steel front, sensor buttons and microphone/speaker protection
- Integrated light signalling system
- Redundant backup for power and signalling



Size (WxHxD): 128 x 264 x 51mm Wt: 0.95kg

Accessories: 1007060155 Flush Mount Back Box with Anchors, 1007060150 On Wall Back Box, 1007060130 Corridor Lamp, 1007060120 Remote Call Button

1007056100

### VANDAL RESISTANT SUBSTATION

- Made for critical communication
- Vandal resistant
- Design in stainless steel (A304) to withstand corrosion
- Vandal resistant call button
- Superb audio quality (10 kHz)
- Advanced supervision functions
- External or extra call button option



Size (WxHxD): 92 x 180 x 25mm Wt: 0.8kg

Accessories: 1008098100 Flush Mount Back Box, 1008098000 On Wall Back Box, 1008098001 On Wall Back Box



2213000200

### HEAVY DUTY ANALOG TELEPHONE WITH DOOR

- 5mm aluminium casing
- External ringer unit recommended such as HB-90, HB-105 or CRB-7 with signal light
- Door has smart stay-open or stay-shut mechanism
- Wall mounting plate included
- Magnetic reed hook-switch gives minimal wear and tear
- Powered by phone line



Size (WxHxD): 205 x 320 x 140mm Wt: 5.4kg

2213000100

### HEAVY DUTY ANALOG TELEPHONE

- Made for industrial environment
- 5mm aluminium casing
- External ringer unit recommended such as HB-90, HB-105 or CRB-7 with signal light
- Powered by phone line
- Full phone keypad plus special function keys
- Wall mounting plate included
- Magnetic reed hook-switch gives minimal tear and wear



Size (WxHxD): 205 x 320 x 120mm Wt: 5kg

2213000300

### VAF-1 ANALOG FLUSH TELEPHONE WITH RELAY OUTPUT

- Console telephone
- Supports DTMF
- Double ringing tone selection for dual telephones in same area
- Solid construction
- Adjustable backlight
- Volume control
- Relay output



Size (WxHxD): 170 x 280 x 84 mm Wt: 0.6 kg

1007080000

### LIGHT INDUSTRIAL MASTER STATION

- Fully equipped splashproof master station with free access to all extensions and features
- Splashproof, flame and chip resistant plastic casing
- Keyboard foil of UV-cured PVC
- Resistant to corrosive fluids
- Electret microphone & red microphone live lamp
- Built in loudspeaker, MIC. & LED
- Built-in 10W VOX-operated amplifier for additional power output
- Screw terminals for easy connection of installation cables
- Optional external speaker can be connected



Size (WxHxD): 124 x 244 x 63mm Wt: 0.9kg

1007086000

### HEAVY DUTY INDUSTRIAL MASTER STATION

- Master station with free access to all extensions and features
- Waterproof and dustproof casing of orange aluminium alloy
- Microphone along w. red microphone live lamp
- External loudspeaker. Sound level adjustable with a potentiometer inside the station
- Screw terminals for easy connection of installation cables
- Built-in 10W VOX-operated amplifier for additional power output
- Four freely programmable single-touch keys (DAK)



Size (WxHxD): 160 x 260 x 100mm Wt: 1.1kg

Accessories: 3006100051 Horn Loudspeaker 8 OHM 15W, 3006100088 Horn Loudspeaker 20 OHM

## ACCESSORIES

Accessories for Vingtor-Stentofon IP and Analog Intercom Stations.

### 1401199112 PROTECTION ROOF



**Size (WxHxD):** 138 x 248 x 41 mm **Wt:** 1 kg

Related items: 1401110100 IP Vandal Resistant Video Station, 1401110200 IP Vandal Resistant Video Station, 141199101 Flush mount box, 141199111 On wall housing

### 1008098001 ON WALL BACK BOX

- On-wall Mount Back Box for Vandal Resistant Substation, Traditional only



**Size (WxHxD):** 92 x 180 x 30mm **Wt:** 0.4kg

Related items: 1007056100 Vandal Resistant Substation, 1007056200 Vandal Resistant Substation 2 Button

### 1008140010 TA-1 TURBINE COMPACT ON WALL BOX

- For on-wall mounting of all Turbine Compact Stations



**Size (WxHxD):** 120 x 180 x 62mm **Wt:** 0.8kg

Related items: All Turbine Compact Stations

### 1401199101 FLUSH MOUNT BOX

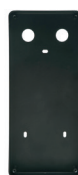


**Size (WxHxD):** 138 x 248 x 41 mm **Wt:** 0.4kg

Related items: 1401110100 IP Vandal Resistant Video Station, 1401110200 IP Vandal Resistant Video Station, 1401199111 On wall housing, 1401199112 Protection roof

### 1008098600 ON WALL BACK BOX

- On wall mount back box for IP Flush Master Stations



**Size (WxHxD):** 125 x 280 x 34mm **Wt:** 0.5kg

Related items: 1008031000 IP FLUSH Master, Display, 1008010100 IP DAK-48 Unit

### 1000603000 ON WALL BACK BOX

- For on-wall mounting of OR Master and Wall Master Stations



**Size (WxHxD):** 137 x 284 x 65mm **Wt:** 0.5kg

Related items: 1007036600 OR Master Display, 1076036600 OR Master, 1007040000 Wall Master Station Standard, 1007042000 Wall Master Station Display, 1007043000 Console Master Station

### 1008098800 FLUSH MOUNT BACK BOX

- Backbox for handset module for IP Flush Master



**Size (WxHxD):** 58 x 270 x 40mm **Wt:** 0.3kg

Related items: 1008097100 Handset

### 1401199111 ON WALL HOUSING



**Size (WxHxD):** 138 x 248 x 41 mm **Wt:** 1 kg

Related items: 1401110100 IP Vandal Resistant Video Station, 1401110200 IP Vandal Resistant Video Station, 1401199101 Flush mount box, 141199112 Protection roof

### 1008098000 ON WALL BACK BOX

- On wall Mount Back Box for Vandal Resistant Substation, IP and Traditional



**Size (WxHxD):** 92 x 180 x 52mm **Wt:** 0.8kg

Related items: 1008041100 IP Vandal Resistant Substation, 1007056100 Vandal Resistant Substation, 1007056200 Vandal Resistant Substation 2 Button

### 1008098100 FLUSH MOUNT BACK BOX

- Flush Mount Back Box for Vandal Resistant Substation, IP and Traditional



**Size (WxHxD):** 80 x 168 x 50mm **Wt:** 0.8kg

Related items: 1008041100 IP Vandal Resistant Substation, 1007056100 Vandal Resistant Substation

### 1008098300 3 GANG FLUSH MOUNT BACK BOX

- Flush Mount Back Box for IP Vandal Resistant Substation, 3 Gang Back Box



**Size (WxHxD):** 98 x 145 x 66mm **Wt:** 0.8kg

Related items: 1008051000 IP Vandal Resistant Substation - 3 Gang Back Box

1008098700

### FLUSH MOUNT BACK BOX

- Flush mount back box for IP Flush Master Stations inclusive IP OR Master Station



**Size (WxHxD): 116 x 270 x 40mm Wt: 0.5kg**

Related items: 1008015000 IP OR Master, 1008031000 IP Flush Master, display, 1008010100 IP DAK-48 Unit

1000602000

### FLUSH MOUNT BACK BOX

- Flush mount back box for OR Master and Wall Master Stations



**Size (WxHxD): 118 x 262 x 62mm Wt: 0.5kg**

Related items: 1076036600 OR Master, 1007036600 OR Master Display, 1007040000 Wall Master Station Standard, 1007042000 Wall Master Station Display, 1007043000 Console Master Station

1008140020

### TA-2 TURBINE COMPACT FLUSH BACK BOX

- Flush mount back box for Turbine Compact Stations



**Size (WxHxD): 96 x 96 x 90 Wt: 0.5kg**

Related items: All Turbine Compact Stations

1008140030

### TA-3 TURBINE COMPACT FLUSH BACK BOX

- Flush mount back box for Turbine Compact Analog and Turbine Mini Stations



**Size (WxHxD): 96 x 96 x 64mm Wt: 0.4kg**

Related items: Turbine Compact Analog Stations TCAS, Turbine Mini Stations TMIS-1 & TMIS-2

1008140050

### TA-5 WALL BRACKET FOR TURBINE COMPACT

- Wall bracket for Turbine Compact Stations



**Size (WxHxD): 169 x 109 x 10 mm Wt: 0.2 kg**

Related items: All Turbine Compact Stations

1008091100

### WALL BRACKET FOR DESKTOP

- Used for wall mounting of all Desktop Stations



**Size (WxHxD): 110 x 92 x 46mm Wt: 0.2kg**

Related items: All Desktop Stations

1008140120 / 1008140130

### TA-12 / TA-13 TURBINE MINI ON-WALL BACK BOX

- TA-12 Black / TA-13 White



**Size (WxHxD): 124 x 122 x 65 mm Wt: 0.4kg**

Related items: Turbine Mini Stations TMIS-1 & TMIS-2

1008140080

### TA-8 TURBINE, 40 TAMPER PROOF FASTENERS

- 1 Bit
- Flush Mount



1006140090

### TA-9 TURBINE, 40 TAMPER PROOF FASTENERS

- 1 Bit
- Onwall Box Mount



1023595010

### EMBR-1 MOUNTING BOX FOR ECPIR-3P

- For desktop or on-wall mounting
- Boxes can be joined to accommodate up to 5 panels using the EMBR-6 kit
- For indoor use



**Size (WxHxD): 104 x 188 x 75 mm Wt: 0.3.5 kg**

Accessories: 1023595060 EMBR-6 Kit for Joining Boxes

1023595020

### EMBR-2 MOUNTING BOX FOR ECPIR-3P

- For desktop or on-wall mounting
- Boxes can be joined to accommodate up to 5 panels using the EMBR-6 kit
- For indoor use



**Size (WxHxD): 201 x 188 x 75 mm Wt: 0.7 kg**

Accessories: 1023595060 EMBR-6 Kit for Joining Boxes

3005000029

### MODEL-A TELEPHONE BOOTH

- Sturdy and robust
- Quick and easy to fit
- No special tools required
- Manufactured from aluminium



**Size (WxHxD): 584 x 622 x 495 mm Wt: 8.2 kg**

1023533311

### EMMAI-1H HANDHELD INDUSTRIAL MIC, 1 BUTTON

- Handheld microphone for Industrial application
- PTT-key on handset
- Noise-cancelling microphone
- HD-voice compatible
- Designed for Turbine industrial intercoms



Size (WxHxD): 71 x 99 x 39 mm Weight: 0.8 kg

Additional Information: IP-66

1023533312 / 1023533511

### EMMAI-2H / EMMAX-1H HANDHELD MICROPHONE

- Handheld microphone PTT key
- Curled cord
- Noise cancelling microphone
- High quality digital background noise reduction
- HD voice compatible
- EMMAI-2H for Turbine Industrial intercoms
- EMMAX-1H for Turbine Ex intercoms



Size (WxHxD): 44 x 68 x 21.5 mm Weight: 0.22 kg

Additional Information: IP-66  
Wall bracket included

1008140230 / 1008150030

### TA-23 / TAX-3 HANDSET WITH PTT

- PTT-key for operation in noisy environments
- Noise-cancelling microphone
- High quality digital background noise reduction
- HD-voice compatible
- IP Rating: IP66
- TA-23 for Turbine Industrial intercoms
- TAX-3 for Turbine Ex intercoms



Size (WxHxD): 200 x 70 x 50 mm Weight: 310 g

1023533011

### EMMAR-1H MIC FOR ECPIR-3P

- Push-To-Talk button
- Equipped with locking DIN plug
- Digital background noise reduction



Size (WxHxD): 71 x 99 x 39 mm Weight: 0.8 kg

Cord length: 3m

Additional Information: IP-66

AK5850HS

### AK5850HS EX-APPROVED HEADSET

- Rugged headset for Ex application
- Noise-cancelling microphone
- High quality digital background noise reduction
- HD-voice compatible
- High quality audio
- Optional in-ear monitors may be connected for added damping in extreme environments
- IP Rating: IP-66
- Standard 4-pole Nexus connector for easy connection/replacement
- For use with 1008150025 Ex-approved Cable for headset with PTT
- Designed for Turbine Ex explosion-proof intercoms



Size (WxHxD): 210 x 150 x 70 mm Weight: 400 g

Accessories: TA-22B / TAX-2B Ex-approved Cable and Plugbox

1008140225 / 1008150025

### TA-22B / TAX-2B CABLE AND PLUGBOX FOR AK5850HS HEADSET

- 10m cable
- Compact, rugged plugbox with PTT for Industrial application
- IP Rating: IP66
- For use with AK5850HS Headset
- TA-22B for Turbine Industrial intercoms
- TAX-2B for Turbine Ex intercoms



Length: 10 m

3005020033

### MB-30G GOOSENECK MIC

- Electret Microphone - 2K ohm
- 5-pin DIN plug



Size (WxL): 36 x 446 mm Weight: 0.1 kg

Related items: 1023200033 ECPIR-3P Indoor Intercom

2340110016

### JBP-120EEXEN

- Ex Junction box for Ex loudspeakers
- 6 possible M20 entries, earth plate and 2.5 mm Wago terminal.



Size (WxHxD): 120 x 47 x 104.5 mm Weight: 0.4 kg



**2810020004**

### DESK STAND CRM-V TRIPLE

- Desk Stand for DAK-48 Unit, IP Flush Master and Handset



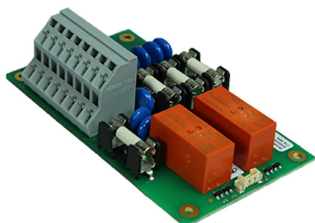
**Size (WxHxD): 360 x 350 x 140 mm Wt: 1.8 kg**

Related items: 1008031000 IP Flush Master, 1008010100 DAK-48 Unit, 1008097100 Handset

**1008140100**

### TA-10 RELAY MODULE

- Designed for use with Turbine Industrial IP Intercom stations
- Powered by Turbine Industrial stations (TFIE-x) or Turbine Extended Kit (TKIE-1)



**Size (WxHxD): 100 x 50 x 40 mm Wt: 0.1 kg**

Related items: 1008122010 TFIE-1, 1008122020 TFIE-2, 1008132010 TKIE-1

**1023300010**

### ELSIR-10C NETWORK CEILING LOUDSPEAKER

- Steel fire dome
- 10W Class D, built-in amplifier



**Size (Diam x Depth): 199 x 111 mm Wt: 1.4 kg**

**1007060150**

### ON WALL BACK BOX

- Wall Mount Back Box and a bracket specifically designed for the Tamper and Vandal Proof Stations



**Size (WxHxD): 130 x 265 x 67mm Wt: 2.7kg**

Related items: 1007061000 Tamper and Vandal Proof Station, 1007063000 Tamper and Vandal Proof Station

**2810020005**

### DESK STAND CRM-V DUAL

- Desk Stand for IP Flush Master and Handset



**Size (WxHxD): 227 x 350 x 140 mm Wt: 1.3 kg**

Related items: 1008031000 IP Flush Master, 1008097100 Handset

**1402001030**

### FLUSH-MOUNT BACKBOX FOR SCHOOL IP INTERCOM

- Mounting also possible when turned 180°
- Sheet steel housing
- 5 cable glands, d = 22 mm
- 4 mounting brackets, retractable
- 4x thread M4
- Wall thickness 5 – 40 mm



**Size (WxHxD): 116 x 270 x 65 mm Wt: 1 kg**

Related items: 1402001000 School IP Intercom

**1023301310**

### ELSII-10H NETWORK HORN LOUDSPEAKER

- 10W Class D, built-in amplifier
- Dust and water tight – IP 67



**Size (WxHxD): 186 x 144 x 207 mm Wt: 1.8 kg**

**1007060155**

### FLUSH MOUNT BACK BOX WITH ANCHORS

- Flush Mount Backbox for concrete walls
- For Tamper and Vandal Proof stations



**Size (WxHxD): 122 x 265 x 62mm Wt: 1kg**

Related items: 1007061000 Tamper and Vandal Proof Station, 1007063000 Tamper and Vandal Proof Station

**2810020006**

### DESK STAND CRM-V SINGLE

- Desk Stand for IP Flush Master or DAK-48 Unit



**Size (WxHxD): 155 x 350 x 140 mm Wt: 0.8 kg**

Related items: 1008031000 IP Flush Master, 1008010100 DAK-48 Unit

**2809000000**

### TURBINE ADAPTER PLATE

- Stainless Steel Faceplate
- Installation for all Turbine Stations



**Size (WxHxD): 216 x 298.5 x 76 mm Wt: 1 kg**

Related items: Turbine Intercoms

**1402001010**

### SURFACE-MOUNT BACKBOX FOR SCHOOL IP INTERCOM

- Vandal resistant
- Passivated sheet steel
- Integrated seal



**Size (WxHxD): 125.5 x 280.5 x 72 mm Wt: 1 kg**

Related items: 1402001000 School IP Intercom

**1000602800**

### FRONT PANEL

- Used to enclose backboxes



**Size (WxHxD): 125 x 279 x 2mm Wt: 0.1kg**

Related items: 1000602000 Flush Mount Back Box, 1000603000 On Wall Back Box

1007007010

## MICROPHONE FOR DUAL DISPLAY STATION

- Gooseneck microphone module
- Ideal in noisy environments



Size (length): 300mm Wt: 0.15kg

Related items: 1007007000 Dual Display Station, 1008007000 IP Dual Display Station

1008097500

## GOOSENECK MICROPHONE

- Noise cancelling gooseneck microphone for IP Flush Master
- Ideal for Public Address applications and control center



Size (WxHxD): 90 x 32 x 45 mm Wt: 0.1kg

Related items: 1008031000 IP Flush Master, display

1008097100

## HANDSET

- Handset module for IP Flush Master



Size (WxHxD): 67 x 280 x 41mm Wt: 0.4kg

Related items: 1008031000 IP Flush Master, display

1008140160

## TA-16

- 5 speakers, including cable for TKIS-2 (Visaton FR55XZE)



1007060110

## SET OF SENSOR KEYS

- These keys are intended to be used with both Feature Station Kits to manufacture a similar station as the Tamper and Vandal proof stations but with a customised front plate
- There are 10 keys in a set



Wt: 0.2kg

3006202024

## HANDSET FOR INDUSTRIAL STATIONS

- For use on Industrial Master Stations
- The built-in loudspeaker is disconnected when lifting the handset
- Includes push to talk key in handset



Size (WxHxD): 80 x 250 x 155mm Wt: 0.9kg

Related items: 1007080000 Light Industrial Master Station, 1007082000 Noise Cancelling Industrial Master Station, 1007083000 Heavy Duty Industrial Sub Station, 1007085000 Heavy Duty Industrial Sub Station, 1007086000 Heavy Duty Industrial Master Station

1020600700

## HANDSET FOR INDUSTRIAL STATIONS

- Weatherproof heavy duty industrial handset
- For use on Industrial Master Stations
- The built-in loudspeaker is disconnected when lifting the handset
- Includes push to talk key in handset



Size (WxHxD): 98 x 242 x 153mm Wt: 0.9kg

Related items: 1007080000 Light Industrial Master Station, 1007082000 Noise Cancelling Industrial Master Station, 1007083000 Heavy Duty Industrial Sub Station, 1007085000 Heavy Duty Industrial Sub Station, 1007086000 Heavy Duty Industrial Master Station

1009800115

## 0.5 METERS STATION CABLE WITH RJ45 CONNECTOR

- Tailored station cable to fit all traditional Desktop Master Stations



Size (length): 3 or 0.5 meters

Related items: Traditional Desktop Master Stations

1009800215

## 1.5 METERS ETHERNET PATCH CABLE FLAT CAT5E

- Spare ethernet cable to fit all IP Desktop Master Stations



Size (length): 1.5 or 3 meters

1009800130

## 3-METER STATION CABLE WITH RJ45 CONNECTOR

- Tailored station cable to fit all traditional Desktop Master Stations



Size (length): 3 or 0.5 meters

Related items: Traditional Desktop Master Stations

A100C07814

## PSU FOR THE ALPHACOM M, E7 AND XE7



Size (WxHxD): 100 x 160 x 28mm Wt: 0.3kg

Related items: Internal power supply for AlphaCom M, E7, and XE7

3006102047

## TELEPHONE TONE CALLER 60-100V AC, 105 DBA WATERTIGHT

- Designed to replace the traditional mains bell
- Powered by telephone line
- A suitable additional ringer device for telephones in weather exposed and noisy areas



Dimension (WxHxD): 90 x 90 x 118mm

Related items: 2213000100 Heavy Duty Analog Telephone, 2213000200 Heavy Duty Analog Telephone with door

**1020600750**

### PORTABLE HEADSET, BOOM MIC.

- Portable headset
- Includes switchbox with ON/OFF and Talk push-button w/ belt clip
- Standard with 10 meter cable
- To be used in noisy areas



**Wt: 1.1kg**

Related items: 1007080000 Light Industrial Master Station, 1007082000 Noise Cancelling Industrial Master Station, 1007083000 Heavy Duty Industrial Sub Station, 1007085000 Heavy Duty Industrial Sub Station, 1007086000 Heavy Duty Industrial Master Station

**EOTRF10115**

### 220 V AC/12 V AC TRANSFORMER

- For use on Industrial Stations
- To achieve 10W audio output on external loudspeakers



**Wt: 0.3kg**

Related items: All industrial INTERCOM stations

**1020600992**

### IRR-3 RELAY BOX 24V DC OR 220V AC - SIGNAL UNIT WT - IP66

- Separate relay unit for operation of 24 VDC or 220 VAC visible and/or audible signal units



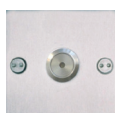
**Size (WxHxD): 110 x 80 x 63mm Wt: 0.35kg**

Related items: 2213000100 Heavy Duty Analog Telephone, 2213000200 Heavy Duty Analog Telephone with door

**1007060120**

### REMOTE CALL BUTTON

- Tamper proof button which can be connected to the 1007061000 and 1007063000 stations as an additional call button
- Delivery on request



**Size (WxH): 90 x 90mm Wt: 0.2kg**

Related items: 1007061000 Tamper and Vandal Proof Station, 1007063000 Tamper and Vandal Proof Station

**3006202029**

### PORTABLE HEADSET, BOOM MIC.

- Portable headset for connection to CD-7 Plug Box
- Includes switchbox with ON/OFF and Talk push-button w/ belt clip
- Standard with 10 meter cable and plug 4 pin Amphenol
- To be used in noisy areas



**Wt: 1.1kg**

Related items: 1007080000 Light Industrial Master Station, 1007082000 Noise Cancelling Industrial Master Station, 1007083000 Heavy Duty Industrial Sub Station, 1007085000 Heavy Duty Industrial Sub Station, 1007086000 Heavy Duty Industrial Master Station

**1008010101**

### LABEL PAPER FOR IP DAK-48 UNIT

- Special paper for printing and labeling the IP DAK-48 unit
- 6, 8 and 10 digit templates available for download at [www.zenitel.com](http://www.zenitel.com)



**Size (LENGTH): 300mm Wt: 0.09kg**

Related items: 1008010100 IP DAK-48 Unit

**3006202007**

### PLUGBOX WATERTIGHT

- Designed to be used together with VMP-36-PELP, portable headset
- Has socket with dustcap
- Supports headset with ON/OFF button
- For on wall mounting



**Size (WxHxD): 80 x 110 x 63mm Wt: 0.4kg**

Related items: All industrial INTERCOM stations

**2220050001**

### POWER OVER ETHERNET ADAPTOR

- PoE midspan PSU for IP stations
- Source mains power cord locally
- 90 V to 240 V AC



**Size (WxHxD): 140 x 65 x 35mm Wt: 0.2kg**

Related items: IP Desktop Stations

**3006102026**

### RELAYBOX - 24VDC, 110/220VAC - SIGNAL UNIT WATERTIGHT

- Unit designed for activation of extra signal device connected to telephone in noisy area



**Size (WxHxD): 120 x 122 x 55mm**

Related items: 2213000100 Heavy Duty Analog Telephone, 2213000200 Heavy Duty Analog Telephone with door

**3006090476**

### JUNCTION BOX

- Use to connect station cable to telephone line



**Size (WxHxD): 97 x 90 x 58mm Wt: 0.12kg**

Related items: 2213000100 Heavy Duty Analog Telephone, 2213000200 Heavy Duty Analog Telephone with door

**3007600036**

### WALL SOCKET, RJ45, FLUSH MOUNTED

- ABS plastic connection box with 8 pin RJ45 socket



**Size (WxHxD): 88 x 88 x 20mm Wt: 0.4kg**

Related items: All Desktop Stations

**3007600034**

### WALL SOCKET, RJ45, SURFACE MOUNTED

- ABS plastic connection box with 8 pin RJ45 socket



**Size (WxHxD): 51 x 51 x 22.5mm Wt: 0.4kg**

Related items: All Desktop Stations

3006100051

### HORN LOUDSPEAKER, 8 OHM, 15W

- General purpose 15W horn speaker



Size (Diameter x Depth): 200 x 247mm Wt: 1.7kg

Related items: All industrial INTERCOM stations

3006100088

### HORN LOUDSPEAKER, 20 OHM, 15W

- General purpose 15W horn speaker
- Can be connected directly to the speaker output of Industrial Intercom Stations



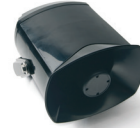
Size (WxHxD): 250 x 145 x 270mm Wt: 1.35kg

Related items: All industrial INTERCOM stations

2340020010

### DSP-15EEXMN EX SPEAKER, 20 OHM, 25W

- Rated / max. power 25w / 25w
- Material: antistatic PA / Black
- Bracket and all outside nuts and screws in stainless steel
- Effective freq. range 410 – 7000 Hz
- Zone 1



Size (WxHxD): 106 x 144 x 20/mm Wt: 2.2kg

3006204005 / 3006204006

### 92580 / 92590 GSM MULTIBAND ANTENNA SET

- Antenna for GSM900, GSM1800, PCS1900, 3G UMTS
- Frequency range: 890-960, 1710-1880, 1900-2170 MHz
- Fiber glass antenna tube / Stainless steel antenna base
- Stainless steel bracket for vertical or horizontal mounting
- 92580: 10 m Cable
- 92590: 20 m Cable



Size (WxHxD): 105 x 135 x 40 mm Wt: 0.6 kg

3006102036 / 3006102041

### EHS-2200/EHS-240 ROTARY LIGHT

- Used in noisy areas to indicate a call
- Used with Industrial Stations or Telephones
- Used together with relay unit
- 3006102036 EHS-2200: 220V AC
- 3006102041 EHS-240: 24V DC



Size (Diam. x Height): 147 x 220mm Wt: 0.9kg

Related items: All Industrial Stations. CRB-7 required when used on Heavy Duty Analog Telephone

1007060130

### CORRIDOR LAMP

- 2 LED lamp sections (red and green) to indicate the status of the related Tamper and Vandal Proof Station: Idle, Call, Alarm and Guard present
- Delivery on request



Size (WxHxD): 110 x 110 x 65mm Wt: 0.8kg

Related items: 100706100 Tamper and Vandal Proof Station, 1007063000 Tamper and Vandal Proof Station

2990101120

### XP POWER SUPPLY, 48VDC 120W FOR FCDC1

- Up to 90% Efficiency
- Wide Adjustment Range
- Parallel Function
- DC Standby Versions
- Full Power from -40 °C to +60 °C
- Connector Options



Size (WxHxD): 142 x 63.5 x 116 mm Wt: 920g

2990101240

### XP POWER SUPPLY, 48VDC 240W FOR FCDC1

- Up to 90% Efficiency
- Wide Adjustment Range
- Parallel Function
- DC Standby Versions
- Full Power from -40 °C to +60 °C
- Connector Options



Size (WxHxD): 142 x 83 x 111.3mm Wt: 1360g

1008080110 / 1008080210

### FCDC1 / FCDC2 FLOWIRE ETHERNET CONVERTER, DC VOLTAGE

- One single pair of cable can be used to distribute power and data
- The cable hauls can be longer, up to 2 km, reducing the need for switches and/or repeaters
- Up to 10 Flowire devices can be connected to the same 2-wire bus/star structure
- Existing infrastructure can be used, even though only a single pair is available. This reduces the total cost of retrofit projects
- The Flowire converter can be used with any Ethernet enabled device (not limited to Vingtor-Stentofon products)
- FCDC1: 24-48 VDC
- FCDC2: 24 VDC non-PoE for Ex equipment

2990102120

### POWERBOX PSU, 24VDC 120W FOR FCDC2

- EN60945 compliant
- Universal input (90 – 265 Vac)
- Efficiency above 90%
- Active Power Factor Correction
- Adjustable output
- Overload and overvoltage protection
- Thermal overload protection
- Conformal coating
- DC OK signal and potential free contact
- Cooling by free air convection
- RoHS compliant
- Internal redundancy diode
- Single or parallel mode user selectable



Size (WxHxD): 132 x 37 x 128 mm Wt: 920g

2990102240

### POWERBOX PSU, 24VDC, 250 W FOR FCDC2

- EN60945 compliant
- Universal input (90 – 265 Vac)
- Efficiency above 90%
- Active Power Factor Correction
- Adjustable output
- Overload and overvoltage protection
- Thermal overload protection
- Conformal coating
- DC OK signal and potential free contact
- Cooling by free air convection
- RoHS compliant
- Internal redundancy diode
- Single or parallel mode user selectable



Size (WxHxD): 132 x 50 x 128 mm Wt: 920g



Size (WxHxD): 110 x 66 x 17mm Wt: 300g

Accessories: 2990101120 XP Power Supply, 2990101240 XP Power Supply, 2990102120 Powerbox PSU, 2990102240 Powerbox PSU



# ALPHACOM STATION KITS

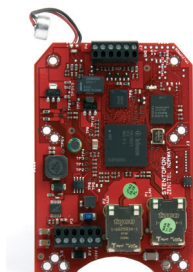


## IP STATION KITS

1008090200

### IP SUBSTATION KIT

- Made for Critical Communication over IP
- Superb audio quality
- OdB (600 Ohm) output to Public Address
- Relay output for e.g. door lock control and tamper alarm input
- Dual Ethernet ports for connection of other IP devices
- Enables manufacturing of EN 81-28 and 81-70 compliant lift stations
- Remote software upgrade, configuration and monitoring



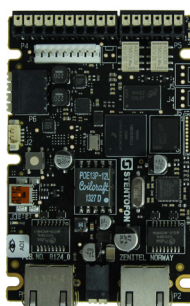
**Size (WxHxD): 72 x 110 x 20mm Wt: 0.1kg**

Accessories: 1008091000 Mounting and Assembly Kit for IP Substation

1008132010

### TKIE-1 TURBINE EXTENDED KIT

- IP station kit with extended functionality
- Dual RJ45 for Ethernet connectivity (with switch)
- Dual relays (DPDT)
- 6 configurable I/Os (input, output or LED-driving)
- Line-in/Line-out connectivity for connection to audio devices
- Header for connecting audio accessories
- Option to connect high-power relay module TA-10
- High quality Turbine™ class output with 10W amplifier
- Full open duplex and digital noise reduction.



**Size (WxHxD): 100 x 65 x 25 mm Wt: 0.1 kg**

Accessories: 1008140100 TA-10 Relay Module

1008093000

### IP MASTER STATION KIT

- Made for Critical Communication over IP
- Supports full keyboard including direct access keys (DAK) and dynamic keys
- Supports handset and headset
- Superb audio quality
- OdB (600 Ohm) output to Public Address
- Relay output for e.g. door lock control and tamper alarm input
- Dual Ethernet ports for connection of other IP devices
- Remote software upgrade, configuration and monitoring



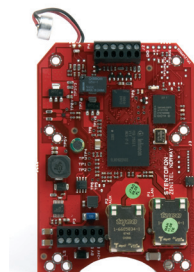
**Size (WxHxD): 88 x 152 x 20mm Wt: 0.13kg**

Accessories: 1008099000 Display for IP Master Station Board, 5 Pieces

1008090250

### IP SUBSTATION KIT, CONFORMAL COATED

- Made for Critical Communication over IP
- Superb audio quality
- OdB (600 Ohm) output to Public Address
- Relay output for e.g. door lock control and tamper alarm input
- Dual Ethernet ports for connection of other IP devices
- Enables manufacturing of EN 81-28 and 81-70 compliant lift stations
- Remote software upgrade, configuration and monitoring



**Size (WxHxD): 72 x 110 x 20mm Wt: 0.1kg**

Accessories: 1008091000 Mounting and Assembly Kit for IP Substation

1008131020

### TKIS-2 VOIP INTERCOM MODULE

- DIN-rail mountable, clips included
- Add VoIP/CCoIP to your parking solution, cash point, vending machine, et al
- Build your own IP Intercom station or help point
- Make your own 10W IP Speaker
- Control relay and I/Os over IP
- Supports AlphaCom, Pulse and SIP (for use with any IPBX)
- Supports a wide set of IP networking standards
- Remote software upgrade, configuration and monitoring
- Powered from the IP network cable using Power over Ethernet (PoE)
- Advanced audio technology like automatic gain and volume adjustment, background noise cancellation, open duplex, etc.
- 1008131010 TKIS-1 Turbine Kit (Compact Card)



**Size (WxHxD): 117 x 71 x 32 mm Wt: 0.1kg**

Accessories: 1008140170 TA-17 electret mic

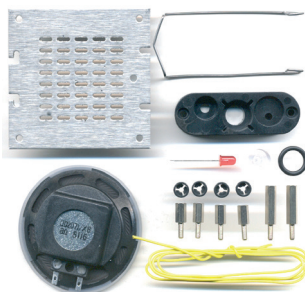
## ACCESSORIES

### AlphaCom Station Kit Accessories

1008091000

#### MOUNTING AND ASSEMBLY KIT FOR IP SUBSTATION

- An optional Mounting and Assembly Kit includes gaskets, a two inch loudspeaker, loudspeaker housing and microphone with mounting block for call LED
- This kit is based on items used in the IP Vandal Resistant Substation



Wt: 0.4kg

Accessories: 1008090200 IP Substation Kit

1008099000

#### DISPLAY FOR IP MASTER STATION BOARD, 5 PIECES

- Supports backlight
- LCD display with 64 x 128 pixels



Size (WxHxD): 80 x 50 x 5mm Wt: 0.1kg

Accessories: 1008093000 IP Master Station Kit

1008140170

#### TA-17 ELECTRET MIC FOR TKIS-2

- 10 electret microphones, including 12 cm cable for TKIS-2



## ANALOG STATION KITS

### Analog Station Kits for custom applications.

1007102000

#### SUBSTATION KIT

- Includes the 1307 substation board, 45 Ohm weather resistant loudspeaker, electret microphone with mounting material, one tamper-proof button and all other necessary station accessories
- Advanced supervision functions
- Can be placed up to 4 km from AlphaCom XE Audio Server without local source power



Size printcard (WxHxD): 71 x 90 x 25 Wt: 0.5kg

A100C01425

#### MASTER STATION KIT FOR DISPLAY STATION, PCB ONLY

- Print card for 1007042000-type station
- PCB only
- Without display and keypad



Size (WxHxD): 85 x 78 x 20mm Wt: 0.1kg

1007060105

#### FEATURE STATION KIT

The kit includes the electronics board as used in the Tamper and Vandal Proof Stations. This board can provide the following features to a station based on it:

- Scream alarm
- I/O for control and status indication
- Tamper alarm



Size (WxHxD): 80 x 140 x 35mm Wt: 0.1kg

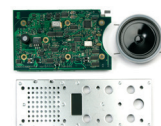
Accessories: 1007060130 Corridor lamp, 1007060120 Remote Call Button, 1007060110 Set of Sensor Keys

1007060100

#### FEATURE STATION KIT

Includes: electronics board, speaker, mic., gasket & a connector. This board can provide the following features to a station based on it:

- Scream alarm
- I/O for control and status indication
- Tamper alarm
- Sensor keys



Size printcard (WxHxD): 190 x 82 x 40mm Wt: 0.1kg

Accessories: 1007060130 Corridor lamp, 1007060120 Remote Call Button, 1007060110 Set of Sensor Keys

# ALPHACOM AUDIO SERVERS



1009601003

## ALPHACOM XE1

- High capacity
- Energy saving
- Global networking and integration
- IP and SIP station support
- Extended software options
- SIM card based software configuration and disaster recovery
- Fully backwards compatible with any AlphaCom system
- Extended memory supports future expansion and new services
- High quality professional PA broadcasting and messaging services
- With license for 3 stations
- Subscriber capacity: 552 IP stations



**Size (WxHxD):** 332 x 44 x 340mm **Wt:** 2kg

Accessories: AlphaPro Software

1009608000

## ALPHACOM XE7 PACKAGE

- Wall, shelf or 19" rack mounting
- Complete system with 1 Power Supply Board, 1 Processor Board, 2 ASLT cards, 2 Connection Kits
- Max subscriber capacity: 552 IP stations. A combination of technologies allows max 36 traditional intercom units or max 72 analog telephones out of 552 stations



**Size (WxHxD):** 427 x 133 x 380mm **Wt:** 9kg

Accessories: 2030010260 Mains Transformer 6A or 2030010270 Mains Transformer 11A, AlphaPro Software

1009608100

## ALPHACOM XE7 PACKAGE WITH 1 ASLT

- Wall, shelf or 19" rack mounting
- Complete system with 1 Power Supply Board, 1 Processor Board, 1 ASLT card
- Max subscriber capacity: 552 IP stations. A combination of technologies allows max 36 traditional intercom units or max 72 analog telephones out of 552 stations



**Size (WxHxD):** 427 x 133 x 380mm **Wt:** 9kg

Accessories: 2030010260 Mains Transformer 6A or 2030010270 Mains Transformer 11A, AlphaPro Software

1009608106

## ALPHACOM XE7 WITH LICENSE FOR 6 IP STATIONS AND 1 ASLT

- Wall, shelf or 19" rack mounting
- Complete system with 1 Power Supply Board, 1 Processor Board, 6 IP Station Licenses, 1 ASLT card
- Max subscriber capacity: 552 IP stations. A combination of technologies allows max 36 traditional intercom units or max 72 analog telephones out of 552 stations



**Size (WxHxD):** 427 x 133 x 380mm **Wt:** 9kg

Accessories: 2030010260 Mains Transformer 6A or 2030010270 Mains Transformer 11A, AlphaPro Software

1009608300

## ALPHACOM XE7 WITH LICENSE FOR 12 IP STATIONS

- Wall, shelf or 19" rack mounting
- Complete system with 1 Power Supply Board, 1 Processor Board, 12 IP Station Licenses
- Max subscriber capacity: 552 IP stations. A combination of technologies allows max 36 traditional intercom units or max 72 analog telephones out of 552 stations



**Size (WxHxD):** 427 x 133 x 380mm **Wt:** 9kg

Accessories: 2030010260 Mains Transformer 6A or 2030010270 Mains Transformer 11A, AlphaPro Software

1009621000

## ALPHACOM XE20 FOR 19" RACK MOUNTING

- 19" rack mounting
- Complete system with APWR-AC version Power Supply, 1 Processor Board, 1 Program & Clock Board, 2 Subscriber Line Boards, 2 x 1.5 m flat ASLT connection cable with filter board
- Subscriber capacity: 552 IP stations. A combination of technologies allows max 102 traditional intercom units or max 204 analog telephones out of 552 stations



**Size (WxHxD): 482 x 265 x 365mm Wt: 19kg**

Accessories: AlphaPro Software, 1009503000 APC Connection Kit if audio input and/or remote control input is required

1009627000

## ALPHACOM XE26 FOR 19" RACK MOUNTING

- 19" rack mounting
- Complete system with APWR-AC version Power Supply, 1 Processor Board, 1 Program & Clock Board, 2 Subscriber Line Boards, 2 x 1.5 m flat ASLT connection cable with filter board
- Subscriber capacity: 552 IP stations. A combination of technologies allows max 138 traditional intercom units or max 276 analog telephones out of 552 stations



**Size (WxHxD): 483 x 841 x 365mm Wt: 42kg**

Accessories: AlphaPro Software, 1009503000 APC Connection Kit if audio input and/or remote control input is required

1009627001

## ALPHACOM XE26 FOR 19" RACK MOUNTING

- High availability Audio Server including multiple functions to reduce and minimize system downtime
- Complete system with 2 Processor Boards AMC-IP with automatic switch over, 2 Power Supplies APWR AC-version, 2 AMC-IP Filter Card, 1 Program & Clock Board APC equipped with microcontroller, 2 Subscriber Line Boards, 2 x 1.5 m flat ASLT connection cable with Filter Board



**Size (WxHxD): 483 x 841 x 365mm Wt: 45kg**

Accessories: AlphaPro Software, 1009503000 APC Connection Kit if audio input and/or remote control input is required

1009627100

## ALPHACOM XE26 FLOOR CABINET

- Floor cabinet, supported with extra side and top panels
- Complete system with APWR-AC version Power Supply, 1 Processor Board, 1 Program & Clock Board, 2 Subscriber Line Boards, 2 x 1.5 m flat ASLT connection cable with filter board
- Subscriber capacity: 552 IP stations. A combination of technologies allows max 138 traditional intercom units or max 276 analog telephones out of 552 stations



**Size (WxHxD): 483 x 841 x 593mm Wt: 46kg**

Accessories: AlphaPro Software, 1009503000 APC Connection Kit if audio input and/or remote control input is required

1009627200

## ALPHACOM XE26 FLOOR CABINET WITH DISTRIBUTION FIELD

- Floor cabinet with distribution field, supported with extra side and top panels
- Complete system with APWR-AC version Power Supply, 1 Processor Board, 1 Program & Clock Board, 2 Subscriber Line Boards, 2 x 1.5 m flat ASLT connection cable with filter board
- Subscriber capacity: 552 IP stations. A combination of technologies allows max 138 traditional intercom units or max 276 analog telephones out of 552 stations



**Size (WxHxD): 483 x 841 x 593mm Wt: 53.5kg**

Accessories: AlphaPro Software, 1009503000 APC Connection Kit if audio input and/or remote control input is required

1009627002

## XE20/XE26 HIGH AVAILABILITY EXTENSION PACKAGE

- For upgrading of existing AlphaCom XE20 or XE26 to have redundant control cards
- 1009202100 AMC-IP Card
- 1009511000 AMC-IP filtercard and APC Upgrade Kit

**Wt: 0.6kg**

Accessories: All AlphaCom XE20 and XE26 Audio Servers

1009607600

## ALPHACOM XE DEMO SUITCASE

- All-in-one Demo Suitcase with AlphaCom XE1 Server and Stations
- Demo configurations include call handling, dynamic group call, monitoring, silent alarm, etc.
- Easy demo setup in one convenient package
- Licenses and SW programs including SoftClient and documentation



**Size (WxHxD): 58 x 50 x 30mm Wt: 21.6kg**



## LICENSES

IP stations require a license. They do not require additional hardware such as an ASLT card. The maximum number of stations which is supported by AlphaCom XE Audio Servers is 552.

### 1009641001

IP-station license for 1 station

### 1009641006

IP-station license for 6 stations

### 1009641012

IP-station license for 12 stations

### 1009641036

IP-station license for 36 stations

### 1009641138

IP-station license for 138 stations

### 1009641601

IP-ARIO Audio License - 1 IP-ARIO

### 1009641602

IP-ARIO Audio License - 2 IP-ARIOS

### 1009641603

IP-ARIO Audio License - 4 IP-ARIOS

### 1009641604

IP-ARIO Audio License - 8 IP-ARIOS

### 1009641605

IP-ARIO Audio License - 16 IP-ARIOS

### 1009641606

IP-ARIO Audio License - 32 IP-ARIOS

Each telephone requires a SIP station license. SIP telephones can be physical units but also SIP softphone clients on a PC or PDA.

### 1009643001

SIP station license for 1 SIP telephone

### 1009643012

SIP station license for 12 SIP telephones

### 1009643006

SIP station license for 6 SIP telephones

### 1009643036

SIP station license for 36 SIP telephones

AlphaNet and multi-module linking for the AlphaCom XE Audio Servers can be via data networks. This does not require additional hardware inside the server, but opening up the capability requires the correct licence. Licenses are required in all connected modules and nodes. There is no difference whether a license is used for an AlphaNet or a multi-module connection. A static license means that the destination of an audio link needs to be defined at commissioning, a dynamic link is a common resource, and can be used for any audio link that requires connection. The data links between modules and nodes are not licensed.

### 1009640002

AlphaNet and Multi-Module VoIP License for 2 Static Lines

### 1009640008

AlphaNet and Multi-Module VoIP License for 8 Dynamic Lines

### 1009640016

AlphaNet and Multi-Module VoIP License for 16 Dynamic Lines

### 1009640030

AlphaNet and Multi-Module VoIP License for 30 Dynamic Lines

### 1009640108

AlphaNet and Multi-Module VoIP License for 8 Dynamic Lines, upgrade from 2 lines

The multi-module license gives the possibility to expand the size of an Audio Server. It is possible to add up to 4 modules in a multi-module Audio Server. The modules will be linked together over a local area IP network (LAN). 30 VoIP channels are available in each server module. Note that the license is only required in the master module in the multi- module server.

### 1009640202

Multi-Module VoIP license - 2 Modules

### 1009640203

Multi-Module VoIP license - 3 Modules

### 1009640204

Multi-Module VoIP license - 4 Modules

### 1009640211

Multi-Module VoIP license, upgrade + 1 module

SIP trunking gives the possibility to connect an AlphaCom XE to a telephone network, either directly to a SIP enabled telephone system or through a gateway to an analog or ISDN (BRI or PRI) system.

### 1009642001

SIP Trunking, 1 line

### 1009642002

SIP Trunking, 2 lines

### 1009642004

SIP Trunking, 4 lines

### 1009642104

SIP Trunking, 4 lines - upgrade from 2 lines

### 1009642008

SIP Trunking, 8 lines

### 1009642016

SIP Trunking, 16 lines

### 1009648001

## LICENSE FOR CRM-V DAK EXPANSION

- License needed to extend the IP Flush Master with IP DAK-48 Units

### 9110100006

## EXTENDED WARRANTY FROM 1-2 YEARS

- Warranty claimed within 12 months will be granted upon registering of defined end-user information with us. This is an option to purchase 1 year additional warranty. Please read Terms & Conditions for more information and see pricelist for purchasing details.

## FEATURE BOARDS

Add extra features and functionality to your AlphaCom XE Servers with Feature Boards.

1009101010

### SUBSCRIBER LINE BOARD, ASLT

- 6 channels for traditional intercom subscriber connections per card
- 6 programmable remote outputs



Size (WxHxD): 230 x 263 x 10mm Wt: 0.5kg

Accessories: See connection material

1009104000

### SUBSCRIBER LINE BOARD, ATLB-12

- High capacity line card for analog telephones
- 12 analog telephone connections
- Hotline and DTMF dialling
- 6 programmable remote outputs



Size (WxHxD): 230 x 263 x 10mm Wt: 0.5kg

Accessories: See connection material

1009303001

### GENERAL PURPOSE AUDIO INTERFACE, AGA

- General purpose audio interface
- 16 audio program inputs or 6 two-way speech channels
- Audio-only Station
- Public Address



Size (WxHxD): 230 x 263 x 10mm Wt: 0.5kg

Accessories: See connection material

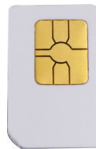
## UPGRADE KITS

AlphaCom Audio Servers are upgradable with the following kits.

1009296100

### SIM CARD ALPHACOM XE1 & XE7

- Holds hardware ID (MAC) and IP configuration for the AMC-IP Card



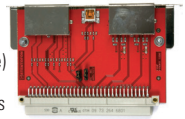
Wt: 0.1kg

Related items: 1009202100 Processor Board, AMC-IP - Version 11

1009511000

### AMC-IP FILTER CARD

- For XE20 and XE26 exchanges (Not needed in the XE7 exchange as it is integrated in the backplane)
- Equipped with 2 ethernet and 2 serial port connectors for connection to the AMC-IP board



Wt: 0.1kg

Related items: 1009202100 Processor Board, AMC-IP-Version 11

1009202100

### PROCESSOR BOARD, AMC-IP - VERSION 11

- Supports 552 IP stations
- Global networking and integration
- IP, SIP and analog station support
- SIM card based software configuration and disaster recovery
- Backwards compatible with older AlphaCom systems



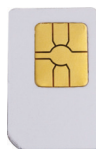
Size (WxHxD): 10 x 230 x 263mm Wt: 0.5kg

Related items: 1009511000 AMC-IP Filter Card

1009296200

### SIM CARD ALPHACOM XE20 & XE26

- Holds hardware ID (MAC) and IP configuration for the AMC-IP Card



Wt: 0.1kg

Related items: 1009202100 Processor Board, AMC-IP - Version 11

1009296101

### UPGRADE KIT FOR E7, AMC-IP 11 WITH BASIC AUDIO MESSAGING

- 1009202100 Consists of Processor Board AMC-IP - VERSION 11, 1009296100 SIM Card Alphacom XE1 & XE7, 1009648500 Basic Audio Messaging License



Size (WxHxD): 10 x 230 x 263mm Wt: 0.5kg

1009296102

### UPGRADE KIT FOR E7, AMC-IP 11 WITH ENHANCED AUDIO MESSAGING

- Consists of 1009202100 Processor Board AMC-IP - VERSION 11, 1009296100 SIM Card AlphaCom XE1 & XE7, 1009648501 Enhanced Audio Messaging License

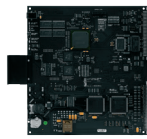


Size (WxHxD): 10 x 230 x 263mm Wt: 0.5kg

1009296201

### UPGRADE KIT FOR E20/26, AMC-IP 11 WITH BASIC AUDIO MESSAGING

- Consists of 1009202100 Processor Board AMC-IP - VERSION 11, 1009296200 SIM Card AlphaCom XE20, 1009648501 Basic Audio Messaging License



Size (WxHxD): 10 x 230 x 263mm Wt: 0.5kg

1009296202

### UPGRADE KIT FOR E20/26, AMC-IP 11 W. ENHANCED AUDIO MESSAGING

- Consists of 1009202100 Processor Board AMC-IP - VERSION 11, 1009296200 SIM Card AlphaCom XE20 & XE26, 1009648501 Enhanced Audio Messaging License



Size (WxHxD): 10 x 230 x 263mm Wt: 0.5kg

1009296211

### UPGRADE KIT FOR ALPHACOM 80/138, AMC-IP 11 W. BASIC AUDIO MESSAGING

- Consists of 1009202100 Processor Board AMC-IP - VERSION 11, 1009296200 SIM Card AlphaCom XE20, 1009648501 Basic Audio Messaging License, 1009511000 AMC-IP Filter Card



Size (WxHxD): 10 x 230 x 263mm Wt: 0.5kg

1009296212

### UPGRADE KIT FOR ALPHACOM 80/138, AMC-IP 11 W. ENHANCED AUDIO MESSAGING

- Consists of 1009202100 Processor Board AMC-IP - VERSION 11, 1009296200 SIM Card AlphaCom XE20 & XE26, 1009648501 Enhanced Audio Messaging License, 1009511000 AMC-IP Filter Card



Size (WxHxD): 10 x 230 x 263mm Wt: 0.5kg

## AUDIO SERVER ACCESSORIES

Accessories for AlphaCom XE Audio Servers.

2030010260

### MAINS TRANSFORMER 6A

- This transformer is recommended for AlphaCom XE7 packages up to 24 lines
- 230-250V AC, 50-60Hz / 24V AC, 150VA
- EN 61558-2-6



Size (WxHxD): 92 x 130 x 87mm Wt: 2.4kg

Related items: AlphaCom XE7

2030010270

### MAINS TRANSFORMER 11A

- This transformer is recommended for AlphaCom XE7 packages up to 36 lines
- 230-250V AC, 50-60Hz / 24V AC, 260VA
- EN 61558-2-6



Size (WxHxD): 106 x 153 x 98mm Wt: 4.2kg

Related items: AlphaCom XE7

1009971000

### INTERGUARD 60W AMPLIFIER, 100V LINE

- For background music, voice based alarm and announcements
- Can connect loudspeakers with a maximum load of 60W
- Volume override facility
- 19" rack mounting, 3U height
- Up to 21 amplifiers in parallel



Size (WxHxD): 3,5U x 5U x 12U Wt: 1.2kg

1009703000

### POWER SUPPLY, APWR - AC VERSION

- Needed if the AlphaCom XE has more than 102 subscribers
- Also if power redundancy is required and the audio server was originally equipped with an AC-power supply



Size (WxHxD): 95 x 236 x 245mm Wt: 4.3kg

Related items: AlphaCom XE20 and XE26

1009990200

### ANTI-STATIC WRIST STRAP

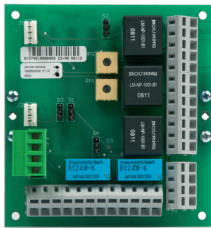
- Due to possible ESD damage we strongly recommend using the Antistatic Wrist-strap kit



1009505000

### FBSAR, FILTER BOARD AND SPEECH ADAPTER WITH RELAY

- Analog interface board to Public Address (PA) system or to non-selective radio system
- Includes relay for controlling the PA system or keying the radio transmitter
- Two channels, the first channel supports both input and output signals and is suitable both as PA and mobile radio interface. The second channel is output only and is suitable for PA interface
- Connects to subscriber (ASLT) line
- Galvanic separation between the audio server and the external equipment



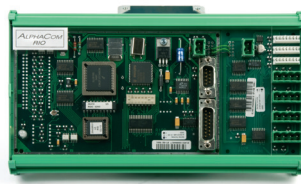
Size (WxHxD): 95 x 100 x 25mm Wt: 0.1kg

Related items: 1009101010 Subscriber Line Board, ASLT

1009970500

### REMOTE INPUT / OUTPUT CONTROLLER, RIO

- For connection of technical alarm inputs and distribution of remote control outputs within an AlphaCom XE system
- Distributed I/O device with built in 8 remote control inputs and logic for 18 remote control outputs per unit
- Up to 140 alarm inputs within the same AlphaCom XE Audio Server. Up to 30 RIO's can be connected to a server thereby controlling up to 500 RCO's
- Up to 30 RIO's can be connected. Note: For more than 10 RIO's, additional 3rd party Ethernet-to-serial port converters are required.



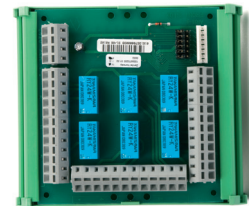
Size (WxHxD): 125 x 225 x 50mm Wt: 0.55kg

Related items: All AlphaCom XE Audio Servers

1009970200

### MULTI RELAY BOARD, MRBD

- Relay board for control of external equipment, such as door opening, additional call indication, CCTV control etc.
- Equipped with 6 relays, each with 2 \*Form C\* contacts
- The relays are controlled by outputs in the server or from the RIO unit



Size (WxHxD): 123 x 78 x 32mm Wt: 0.1kg

Related items: All AlphaCom XE Audio Servers and/or 1009970500 Remote input/Output Controller - RIO

1000614100

### POWER AMPLIFIER BOARD

- Designed to amplify the audio of an ASLT subscriber line
- Used standalone (speaker only), or in combination with a station to amplify the speaker signal
- Connects directly to the subscriber line
- Provides 20 Watt into 4 Ohm or 6 Watt into 20 Ohm
- Requires 24 VAC power



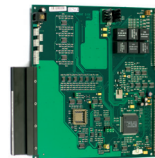
Size (WxHxD): 85 x 75 x 43mm Wt: 0.2kg

Related items: 1009101010 Subscriber Line Board, ASLT

1009301000

### PROGRAM & CLOCK BOARD, APC

- This board controls the back plane board clocking
- It also controls the speed of the fans
- Contains circuitry for 6 audio program feed channels with galvanic isolation

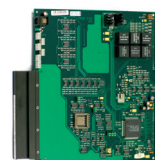


Size (WxHxD): 230 x 263 x 10mm Wt: 0.5kg

1009301010

### PROGRAM & CLOCK BOARD, APC

- This board controls the back plane board clocking
- It also controls the speed of the fans
- Contains circuitry for 6 audio program feed channels with galvanic isolation
- Equipped with microcontroller for High Availability Audio Server

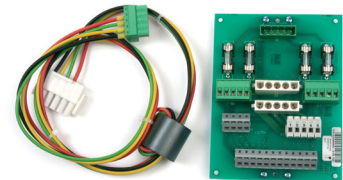


Size (WxHxD): 230 x 263 x 10mm Wt: 0.5kg

1009970101

### POWER DISTRIBUTION BOARD

- Used when it is necessary to supply power to external equipment such as MRBD or FBSAR



Size printcard (WxHxD): 130 x 100 x 32mm Wt: 0.1kg

Related items: All AlphaCom XE26 Audio Servers

## CONNECTION MATERIAL

Connection accessories for an assortment of Vingtor-Stentofon stations and servers.

1009950100

### LINE CONNECTION MODULE

- Easy to connect to AlphaCom XE20 and XE26. (See installation manual for XE7)
- Terminates 6 ASLT or ATLB-12 cards on screw terminals for easy connection of installation wiring
- Provides 6 relay outputs connected to RCO's
- Provides options for 0dB and 600 Ohm audio interface to connect Public Address or radio system
- Supports 6 subscriber connection cards (36 intercoms or 72 analog telephones)
- Integrated MRBD function supporting 6 remote control outputs
- Integrated FBSAR function for connecting Public Address or radio system
- Option to connect APC card in one subscriber card supporting 6 remote inputs and 6 audio program inputs
- Mounted on standard DIN rail



**Size (WxHxD):** 401 x 86 x 50mm **Wt:** 0.7kg

Related items: 1009501011 1.5m Flat ASLT Connection Cable with Filter Board, 1009501014 3m flat ASLT Connection Cable with Filter Board, 1009503000 APC Connection Kit

1009501041

### FILTERCARD WITH 6 X RJ45 CONNECTORS

- Allows direct connection of a CAT5 installation cable to the back of the server
- Can be used for ASLT and ATLB cards



**Size (WxHxD):** 73 x 141 x 16mm **Wt:** 0.1kg

Related items: All AlphaCom XE20 and XE26 Audio Servers

1009501011

### 1.5M FLAT ASLT CONNECTION CABLE WITH FILTER BOARD

- Complete with plug for Subscriber Connection Board
- This cable is normally used when the server is delivered with a distribution field



**Size printcard (WxHxD):** 73 x 141 x 16mm **Wt:** 0.1kg

Related items: All AlphaCom XE20 and XE26 Audio Servers, 1009930200 Connection Board for ASLT, Krone Terminals

1009501021

### 5M ROUND ASLT CONNECTION CABLE WITH FILTER BOARD

- This cable is normally used when the distribution field is placed away from the server
- The free end of the cable is unterminated



**Size printcard (WxHxD):** 73 x 141 x 16mm **Wt:** 0.1kg

Related items: All AlphaCom XE20 and XE26 Audio Servers

1009501100

### CONNECTION KIT ASLT / AGA / AE1 / ATLB

- This kit contains the necessary connectors for connection of the installation cable to the back plane of the AlphaCom M and AlphaCom E7 exchange



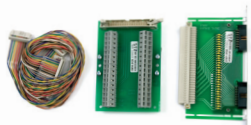
**Wt:** 0.1kg

Related items: AlphaCom XE7 Audio Server, 1009101010 Subscriber Line Board, ASLT

1009930300

### INSTALLATION SET, PROGRAM CONNECTION

- Connection set for expanding the number of audio program inputs
- Makes it possible to connect 16 program sources to the AGA board



**Size printcard (WxHxD):** 73 x 141 x 16mm **Wt:** 0.1kg

Related items: All AlphaCom XE20 and XE26 Audio Servers

1009501014

### 3M FLAT ASLT CONNECTION CABLE WITH FILTER BOARD

- Complete with plug for Subscriber Connection Board
- This cable is normally used when the server is delivered with a distribution field



**Size printcard (WxHxD):** 73 x 141 x 16mm **Wt:** 0.1kg

Related items: All AlphaCom XE20 and XE26 Audio Servers, 1009930200 Connection Board for ASLT, Krone Terminals

1009501023

### 10M ROUND ASLT CONNECTION CABLE WITH FILTER BOARD

- This cable is normally used when the distribution field is placed away from the server
- The free end of the cable is unterminated



**Size printcard (WxHxD):** 73 x 141 x 16mm **Wt:** 0.1kg

Related items: All AlphaCom XE20 and XE26 Audio Servers

1009503000

### APC CONNECTION KIT

- Consisting of APC filter card and APC connection board
- This kit is required to access the 6 remote control input and 6 audio program inputs of the APC



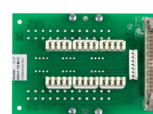
**Wt:** 0.3kg

Related items: All AlphaCom XE20 and XE26 Audio Servers

1009930200

### CONNECTION BOARD FOR ASLT, KRONE TERMINALS

- Subscriber connection board for analog stations
- Fits on distribution field or main distribution frame (MDF)



**Size (WxHxD):** 100 x 70 x 28mm **Wt:** 0.1kg

Related items: 1009501011 1.5m flat ASLT Connection Cable with Filter Board, 1009501014 3m flat ASLT Connection Cable with Filter Board, 1009101010 Subscriber Line Board, ASLT



# ALPHACOM GATEWAYS



**1008095100**

## IP-ARIO

- PA Interface over IP
- Radio Interface over IP
- Remote I/O unit over IP
- Remote AlphaCom RS232 port over IP
- Integrated 2-port Ethernet switch
- PoE and/or 24VDC powered



**Size (WxHxD): 210 x 44 x 240mm Wt: 1.5kg**

**3006204094**

## AUDIOCODES MP-114 GATEWAY

- Connects AlphaCom XE system to external telephone system such as PABXs and the public telephone network
- Supports 4 analog telephone lines
- Web management for easy configuration and installation



**Size (WxHxD): 220 x 42 x 172mm Wt: 0.5kg**

Accessories: 2200002000 19" Rack Mounting Kit for Audio Codes, 1009642002/4/8/16 SIP Trunking License

**2200003000**

## GSM GATEWAY

- Connects AlphaCom XE to GSM for external calls
- World wide GSM coverage using quad band GSM (800/900/1800/1900)
- Web interface for configuration



**Size (WxHxD): 145 x 173 x 45mm Wt: 1.2kg**

Accessories: 1009642001 SIP Trunking License

**3006204099**

## AUDIOCODES MP-118 GATEWAY

- Connects AlphaCom XE system to external telephone system such as PABXs and the public telephone network
- Supports 8 analog telephone lines
- Web management for easy configuration and installation



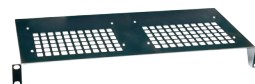
**Size (WxHxD): 220 x 42 x 172mm Wt: 0.5kg**

Accessories: 2200002000 19" Rack Mounting Kit for Audio Codes, 1009642002/4/8/16 SIP Trunking License

**2200002000**

## 19" RACK MOUNTING KIT FOR AUDIO CODES

- Allows mounting in standard 19" rack



**Size: 1HU**

Accessories: 3006204094 AudioCodes MP-114 Gateway, 3006204099 AudioCodes MP-118 Gateway

# ALPHACOM APPLICATION SOFTWARE



**1009294140**

AlphaVision

**1009649901**

OPC interface supporting 40 stations

**1009649902**

OPC interface supporting 80 stations

**1009649903**

OPC interface supporting 160 stations

**1009649904**

OPC interface supporting 240 stations

**1009649905**

OPC interface supporting 320 stations

**1009649906**

OPC interface supporting 400 stations

**1009649907**

OPC interface supporting 552 stations

## ALPHAPRO

AlphaPro is the tool for configuring the AlphaCom XE system. It is self contained, simple to install and easy to use. When a new server is to be configured, the server is given a working default factory setting.

The operator can then modify the settings such as:

- Directory (type of station, line interface, display name and more)
- Define groups (cell groups, guard groups)
- Interface to CCTV, PA, paging, DECT
- AlphaNet
- And other custom behaviour

There are currently over 100 defined features which can be programmed with AlphaPro. AlphaPro is an off-line tool. This means that it is possible to enter all parameters without the necessity of being connected to the server. Once all parameters are entered, AlphaPro can be connected to the server and the parameters can be sent. AlphaPro can also upload configuration information from an server.

- AlphaPro connects to an server via the IP network or a local RS232 interface
- AlphaPro E7 runs without a hardware key. It gives access to all features except AlphaNet, but only for 36 subscribers

AlphaPro Professional uses the Professional hardware key. It gives access to all features for all stations. This version must be used when extensive changes to the autoloader are required.

**1009291120**

AlphaPro professional, USB dongle

## ALPHAVISION

AlphaVision is the ideal application to receive and handle intercom calls in strongly hierarchical systems with many substations and relatively few control room or guard positions; examples are security systems, entry and exit gates and ticket machines in carparks, help points at school campuses.

The screen is divided into a number of functional areas such as a Call request list, Map area, and others. Icons associated with intercoms, remote inputs and remote outputs can be placed in the maps. The behavior of AlphaVision can be extended and changed via a built-in scripting language.

## OPC

OPC provided easy and fast integration based on standard OPC technology. The OPC license is installed on the AlphaCom XE audio Server.

The AlphaCom OPC Server implements the following OPC standards:

- OPC Data Access (OPC DA V2/V3)
- OPC Alarm & Events (OPC AE V1.1)

**1009648500**

### **BASIC AUDIO MESSAGING LICENSE**

License requires AMC IP v11 hardware. Includes Delayed PA broadcast using recall to prevent feedback problems, 1 auto-attendant message, 2MB memory storage for audio messages

**1009648501**

### **ENHANCED AUDIO MESSAGING LICENSE**

License requires AMC IP v11 hardware. Includes Delayed PA broadcast using recall to prevent feedback problems, 3 auto-attendant messages, 10MB memory storage for audio messages, Full ASVP functionality

**1009648502**

### **PA RECALL LICENSE**

License can be installed on both AMC IP v10 and v11 hardware. Includes Delayed PA broadcast using recall to prevent feedback problems

**1009647801**

Redundancy License 36 Users

**1009647802**

Redundancy License 138 Users

**1009647803**

Redundancy License 276 Users

**1009647804**

Redundancy License 552 Users

## **AUDIO MESSAGING**

With Audio Messaging you can store and play audio messages directly from your PC or intercom station, and the messages are safely stored in the flash memory of the AlphaCom server. Audio Messaging supports a wide set of applications including auto-attendant, PA broadcasting, voice response and voice driven menus. It is easy to initiate audio messages from 3rd party systems using OPC, SDK or Data Protocol. Make live PA and group call broadcasts with recall for handling feedback and verifying messages. Schedule PA and group broadcasts for specific events and set up an auto-attendant with voice guided menus for handling incoming calls. You can also set up a voice response for call request waiting messages and absence messages. The feature set of the license is compatible with that of the ASVP card, but offers some important functionalities in addition.

## **REDUNDANCY**

Protect your system with our redundant server solution. The concept provides a 1:1 redundancy of AlphaCom XE servers allowing you to install the servers in separate racks or server rooms.

Having the AlphaCom servers in different racks or server rooms provides options to:

- Have servers in different fire zones
- Have redundant power sources
- Do maintenance in server room (patch panels, power, etc) without system downtime

In the 1:1 setup the servers are setup as a high availability pair sharing the same configuration. One of the servers is operational, while the other is in standby mode. The solution automates disaster recovery. Change-over is fast. The total change over time depends on system-size. Normally it will take less than a minute for a full system with 552 IP-stations.

## **SOFTWARE DEVELOPMENT KIT**

The Software Development Kit (SDK) makes it easy for 3rd party developers to make value added applications for integration with the AlphaCom E and XE system. The SDK is based on Microsoft .NET technology. This gives the 3rd-party developer access to a wide set of software components as well as an extensive Microsoft .NET development environment and tool set. Some examples of applications which are possible to make using the SDK:

- Integrated control room panel on a touch-screen for public address, radio and intercom
- Interactive intercom icons on a map with

ability to call, broadcast public address, and listen in

- Integration with video analytics to provide voice response if someone is trespassing
- Integration with CCTV, where a camera is switched on Voice Activity Detection
- PC based Call Handler with graphical user interface for control rooms and guards

The SDK consists of a number of assemblies (DLLs) which can easily be integrated with software written in C# or VB.NET.

To further support 3rd-party developers, help files, a quick start manual,

Wiki pages and example applications including source code are available to get you fast up to speed with writing value-added applications for the AlphaCom E and XE platform.

To get access to the SDK, please contact technical support at: [SDKsupport@zenitel.com](mailto:SDKsupport@zenitel.com)



|  |
|--|
| <b>1009648092</b>                      |
| Active recording interface - 2 users   |
| <b>1009648093</b>                      |
| Active recording interface - 6 users   |
| <b>1009648094</b>                      |
| Active recording interface - 12 users  |
| <b>1009648095</b>                      |
| Active recording interface - 36 users  |
| <b>1009648096</b>                      |
| Active recording interface - 72 users  |
| <b>1009648097</b>                      |
| Active recording interface - 138 users |
| <b>1009648098</b>                      |
| Active recording interface - 276 users |
| <b>1009648099</b>                      |
| Active recording interface - 552 users |
| <b>1190100100</b>                      |
| Recording Software - Lite              |
| <b>1190100101</b>                      |
| Recording Software - Standard          |
| <b>1190100102</b>                      |
| Recording Software - Enterprise        |
| <b>1190100103</b>                      |
| Recording Playback Client License      |

|  |
|--|
| <b>1009647902</b>                        |
| Billing - 2 external trunks / 400 users  |
| <b>1009647904</b>                        |
| Billing - 4 external trunks / 400 users  |
| <b>1009647908</b>                        |
| Billing - 8 external trunks / 400 users  |
| <b>1009647916</b>                        |
| Billing - 16 external trunks / 400 users |
| <b>1009647932</b>                        |
| Billing - 32 external trunks / 400 users |

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| <b>9110000000</b>  |
| Project Engineering -In House € 960/day, net price         |
| <b>9110000010</b>  |
| Project Engineering On site € 1500/day, net price          |
| <b>9110000900</b>  |
| Project Engineering -Travel, hotel, Sustenance: Cost + 10% |

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|--|
| <b>1190110100</b>                                |
| VS Recorder – Base Module                        |
| <b>1190110110</b>                                |
| VS Recorder – Playback/Configuration Client      |
| <b>1190110120</b>                                |
| VS Recorder – AlphaCom Recording Module          |
| <b>1190110121</b>                                |
| VS Recorder – AlphaCom Recording Module, AddOn   |
| <b>1190110131</b>                                |
| VS Recorder – Stream Recording Module, 1 stream  |
| <b>1190110138</b>                                |
| VS Recorder – Stream Recording Module, 8 streams |
| <b>1190110140</b>                                |
| VS Recorder – Analytics Module                   |
| <b>1190110150</b>                                |
| VS Recorder – Enterprise Management Server       |
| <b>1190110160</b>                                |
| VS Recorder – API                                |
| <b>1190110170</b>                                |
| VS Recorder – Core Logger                        |
| <b>1190110171</b>                                |
| VS Recorder – GlassBreak Analytics               |
| <b>1190110172</b>                                |
| VS Recorder – CarAlarm Analytics                 |

## VS RECORDER

- AlphaCom Call Recording
- Audio and Video stream recording
- Audio Analytics – breaking glass, car alarms, aggression and gunshots

The Vingtor-Stentofon Recorder software is a fully-featured IP based audio recorder with additional support for video recording and audio analytics. The solution is able to record calls from all types of terminals connected to AlphaCom: analog and IP intercoms, analog and IP phones. The Recorder is also an NAVR – Network Audio/Video Recorder.

|   |
|---|
| <b>1190110173</b>                           |
| VS Recorder – AggressionDetection Analytics |
| <b>1190110174</b>                           |
| VS Recorder – Gunshot Analytics             |
| <b>1190110180</b>                           |
| VS Recorder – Secure Audio Export           |

## BILLING

The Billing application makes it possible to control the communication fees and expenses in an AlphaCom XE system. The application is a full billing system which can generate revenues from the system. It is possible to handle a set of billing scenarios. Fees can, for instance, be calculated depending on carrier type, duration, called number, and time of day. The billing of the users can be done by either prepaid or post-paid payment methods.

## PROJECT ENGINEERING





**www.zenitel.com**

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18.2.2016

**sales@zenitel.com**

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