VINGTOR STENTOFON

by ZENITEL GROUP

◄ ALPHACOM ◄ PULSE ◄ SIP

SINGLE PRODUCT RANGE – 3 DIFFERENT PLATFORMS

◄ PA WITH IP AMPLIFIERS

BECAUSE
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.
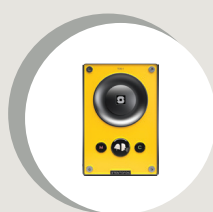
| 1952 | 1964 | 1975 | 1996 | 2001 | 2009 |

2011   2012   2013   2015   2016   2017

SINGLE PRODUCT RANGE
3 DIFFERENT PLATFORMS

Invest in a product that keeps pace with changing technology, and that both anticipates and secures your future communication needs. Our equipment and devices can be used on 3 different platforms that each caters to a specific set of communication requirements.
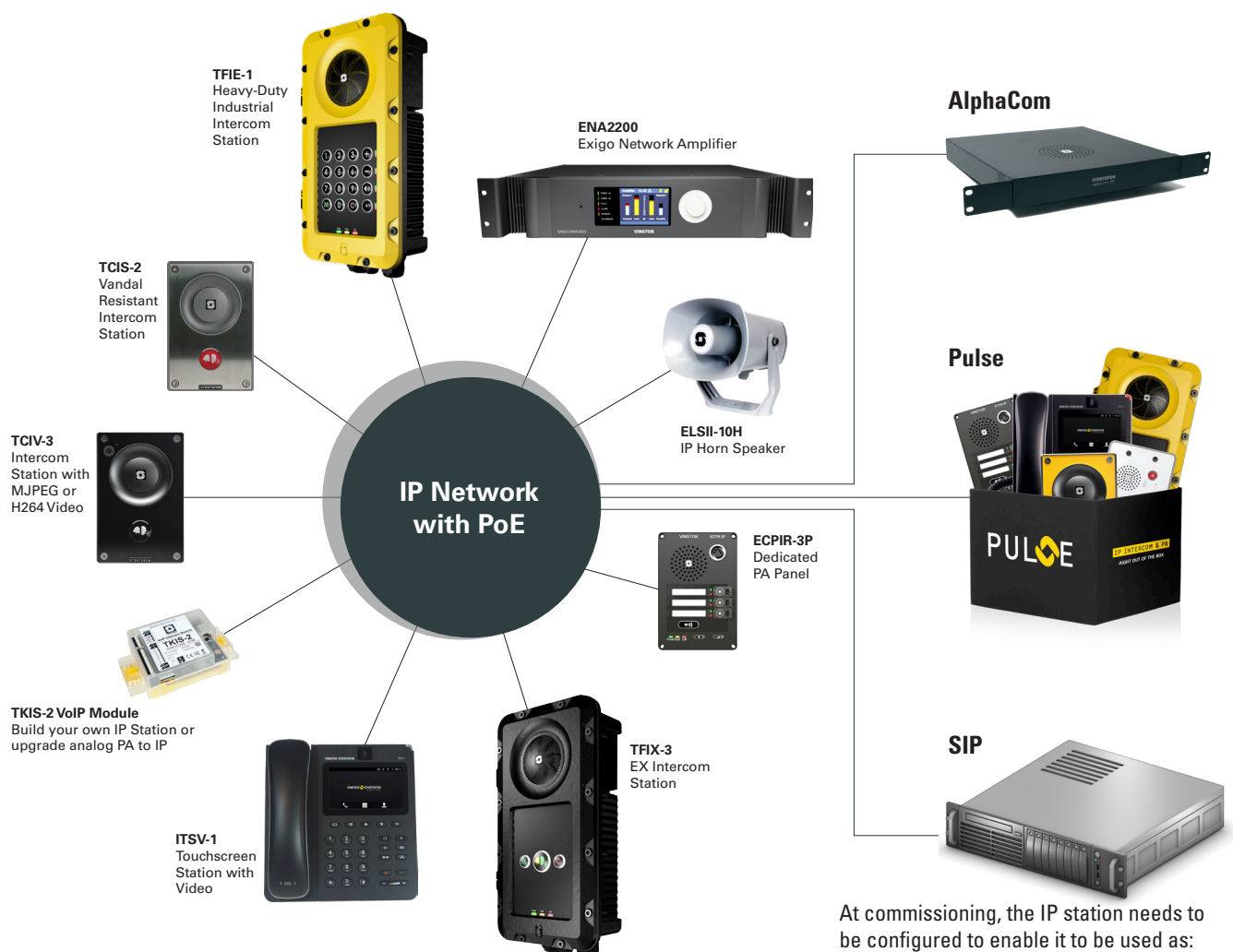
ALPHA COM

AlphaCom is all about integration. All communication devices (radio, telephone, PA, intercom, etc.) come together on the AlphaCom server to be integrated with the overall Building Management System. This allows the use of powerful tools such as voice and audio in maintaining building security.

PULSE

Pulse is a self-contained communication platform that's embedded in the actual IP Intercom and IP PA devices. No external server hardware is required and configuration is easily done using a web browser. Easy to deploy, use and maintain. Ideal for SMB companies.

SIP

Our devices also support the **SIP** protocol. This means that they can be used on any VoIP communication platform that supports SIP. We understand that some customers prefer to keep the number of servers and other hardware to a minimum. Using SIP, you're able to hear, be heard and understood, when and where you need to, every time – all while using your exisiting VoIP system.

TFIE-1
Heavy-Duty Industrial Intercom Station

ENA2200
Exigo Network Amplifier

AlphaCom

TCIS-2
Vandal Resistant Intercom Station

ELSII-10H
IP Horn Speaker

Pulse

TCIV-3
Intercom Station with MJPEG or H264 Video

IP Network with PoE

ECPIR-3P
Dedicated PA Panel

TKIS-2 VoIP Module
Build your own IP Station or upgrade analog PA to IP

SIP

TFIX-3
EX Intercom Station

ITSV-1
Touchscreen Station with Video

At commissioning, the IP station needs to be configured to enable it to be used as:

- **AlphaCom extension**
- **Pulse extension**
- **SIP extension**

AlphaCom

AlphaCom XE is a powerful communication platform that integrates on two levels. It allows all voice communication systems to meet on a single platform and to be operated from a single device. In addition, it allows all those different communication technologies to be the voice and ears of the overall security system. Thanks to its open, modular design and scalable architecture, you can tailor the system to support applications of almost unlimited specificity and complexity.

Vingtor-Stentofon CCoIP® (Critical Communication over IP) implies the employment of VoIP applications required in critical situations. AlphaCom XE is designed with CCoIP incorporation, which ensures the delivery of instant and secure voice and data services. The AlphaCom XE system provides carrier-class system availability and protects resources in an IP intercom environment, by using embedded IP security mechanisms. The main security mechanisms used are restricted management access, separate management interface, internal firewall, integrity check (MD5), virtual LAN (IEEE 802.1Q) and network access control (IEEE 802.1X).

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
- Full backwards compatibility with any AlphaCom system
- Extended memory supporting future expansion and new services
- High quality professional PA broadcasting & messaging services
- Security voice guidance for public safety and building security
- Auto-attendant functionality (automatic voice supported switchboard)
- Voice-supported call guidance

Pulse

Vingtor-Stentofon Pulse is a cost-effective solution for small-to-medium-sized communication requirements. The system allows for as few as two stations and is scalable up to 3000+ units, depending on your needs.

Pulse System Description

- Allows up to:
  - 64 stations per system
  - 10 VS-clients (PC)
  - 10 SIP-clients (e.g., VoIP App)
- Embedded server, no additional server equipment required
- Dedicated tool for discovery, upgrading, configuration & maintenance
- Automatic discovery of all Vingtor-Stentofon devices
- System setup is possible using web browser in less than 10 minutes
- Stations support Active Noise Reduction

- Audio Messaging
- Group Call with Re-Call and Answer Function
- Pulse mode is available on all our IP Stations
- Wide range of special purpose intercom stations
- Open for SIP-enabled 3rd-party devices
- SIP Trunking to ISDN/GSM telephony gateways
- DTMF support
- Support for dedicated PC client (VS-Client)

- G711, G722 & G729 codec support
- SDK/API Support
- Scripting (Use of Virtual IOs)
- Network up to 50 PULSE systems

SIP

Setting the Standard for Open and Transparent technology.

SIP is the quintessential example of an open and transparent technology that unifies voice communication. This protocol is integrated and available out-of-the-box, on every single IP Device in our portfolio.

Our SIP products work anywhere in any iPBX system, are certified for integration in Avaya, Cisco, NEC and Alcatel-Lucent systems, and have been used on these platforms for many years. In addition, our products are currently being used successfully on other platforms such as Samsung, Mitel, Asterisk, and Panasonic.

Our devices support G.711 (μ-law and A-law), G.722 and G.729.

AVAYA DevConnect TESTED	**CISCO Compatible**	**NEC**	**Alcatel·Lucent Certified Application**
The Vingtor-Stentofon SIP Intercom solution has successfully passed compliance testing with Avaya Aura Session Manager and is officially recognized as compliant.	The Vingtor-Stentofon IP Intercom Stations with SIP software version 2.2 have been tested as compatible with Cisco Unified Communications Manager.	The Vingtor-Stentofon SIP Intercom solution is compatible with the following NEC platforms: All NEC IP PBX Family 3C : Softswitch SV8300 : IP PBX iS3000 : Hybrid PBX.	A selection of stations are compatible with Alcatel-Lucent OmniPCX Enterprise R10.

... and more

Network Security

Our years of experience from working with large iPBX brands such as Cisco, Avaya and Alcatel have taught us the importance of hardening our devices against network attacks. We work ceaselessly to implement and upgrade security protocols to keep our devices updated with the latest security standards.

Virtual I/O Scripting

We implement this special feature on our Turbine devices to make them more versatile. In or Outgoing Calls and DTMF can trigger our stations to send a custom script to, e.g., an access-control terminal to open a door. Removing the physical connection between our device and, in this case, an electronic door lock provides a more secure access-control solution.

Keeping Your System Running

Our IP stations support a range of features to make it easier to upgrade and maintain firmware. We support open protocols such as SNMP, TFTP and RSTP. In addition, we offer various SIP registration methods to enable redundancy (Parallel, Serial, Top-Down and Cisco's SRST protocol). Our products are highly reliable, with an expected MTBF of 400K hours.

IP Intercom Stations

All IP Stations work with AlphaCom, SIP, and Pulse.

1008000000 / 1008001000
IP Desk/Wall Master Station with 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
- 1008000000: without Handset
- 1008001000: with Handset
-

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

Accessories: 1008091100 Wall bracket for Desktop

1008015000
IP Clean Room 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

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 CRM-V 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

1008097100
Handset for CRM-V

- Handset module for CRM-V Flush Master

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

Related items: 1008031000 IP Flush Master, display

1008097500
Gooseneck Mic for CRM-V

- Noise cancelling gooseneck microphone for CRM-V 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

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

1008041100
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

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

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

1490000010
SDS-1 IP SIP Desk Station

- 2 lines, 2 SIP accounts, 3-way conferencing
- Integrated PoE
- Dual-switched 10/100 Mbps ports
- TLS and SRTP
- HD Audio
- EHS Support
- AlphaCom XE Support

Size (WxHxD): 184.5 x 209 x 76.2 mm Wt: 0.73 kg

1490001010
ITSV-1 IP Touch Station with Video

- Video desktop intercom supporting AlphaCom XE, SIP and Pulse solutions
- Phonebook with up to 1000 contacts and call history with up to 1000 records
- Dual switched auto-sensing 10/100/1000Mbps network ports
- Wi-Fi (802.11b/g/n), PoE+, Bluetooth, USB, SD, HDMI, EHS with Plantronics headsets support
- 4.3" (480×272) capacitive (5 points) touch screen TFT LCD
- Megapixel CMOS sensor camera with privacy shutter
- HD wideband audio
- Full-duplex hands-free speakerphone with advanced acoustic echo cancellation and excellent double-talk performance

Size (WxHxD): 196.5 x 206.2 x 85.2 mm Wt: 0.92 kg

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 handheld or gooseneck mic
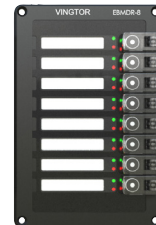- Background Noise Cancellation
- IP Rating: IP32

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
- Four units can be connected to one intercom

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

IP Rating: IP-32

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

Turbine IP Stations

1008111010
TCIS-1

- Amazing sound pressure level when needed
- Background noise cancellation
- Dirt, dust and water resistant - IP66 rating
- Built to last with robust die-cast aluminum frame - IK 08 rating
- 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
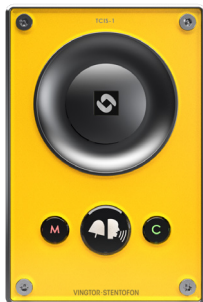
Size (WxHxD): 120 x 180 x 70mm Wt: 0.8kg

Accessories: 1008140010 TA-1 Turbine Compact On Wall Box, 1008140020 TA-2 Turbine Compact Flush Back Box, 1008140140 TA-14 Microphone Windscreen for TCIS/TCIV

1008111020
TCIS-2

- Amazing sound pressure level when needed
- Background noise cancellation
- Dirt, dust and water resistant - IP66 rating
- Built to last with robust die-cast aluminum frame - IK10 rating
- 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, 1008140140 TA-14 Microphone Windscreen for TCIS/TCIV

1008111030
TCIS-3

- Amazing sound pressure level when needed
- Background noise cancellation
- Dirt, dust and water resistant - IP66 rating
- Built to last with robust die-cast aluminum frame - IK08 rating
- 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, 1008140140 TA-14 Microphone Windscreen for TCIS/TCIV

1008111040
TCIS-4

- Amazing sound pressure level when needed
- Background noise cancellation
- Dirt, dust and water resistant - IP66 rating
- Built to last with robust die-cast aluminum frame - IK08 rating
- 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, 1008140140 TA-14 Microphone Windscreen for TCIS/TCIV

1008111050
TCIS-5

- Amazing sound pressure level when needed
- Background noise cancellation
- Dirt, dust and water resistant - IP66 rating
- Built to last with robust die-cast aluminum frame - IK08 rating
- 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
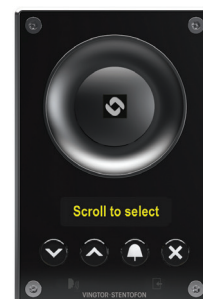- Ideal for Building Security and Public Environments

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, 1008140140 TA-14 Microphone Windscreen for TCIS/TCIV

1008111060
TCIS-6

- Amazing sound pressure level when needed
- Background noise cancellation
- Dirt, dust and water resistant - IP66 rating
- Built to last with robust die-cast aluminum frame - IK08 rating
- 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, 1008140140 TA-14 Microphone Windscreen for TCIS/TCIV

1008115020
TCIV-2

- HD Video at up to 25 FPS (480P)
- 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 - IP65 rating
- 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
- ONVIF Profile S conformant

ONVIF | S

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, 1008140140 TA-14 Microphone Windscreen for TCIS/TCIV

1008115060
TCIV-6

- HD Video at up to 25 FPS (480P)
- Wide angle lens (90°)
- MJPEG and H.264
- Designed according to Disability Act requirements
- Background noise cancellation
- Dirt, dust and water resistant - IP65 rating
- Built to last with robust die-cast aluminum frame
- Black thermoplastic front plate with scrolling unit
- PMOLED display
- Background Noise Cancellation
- ONVIF Profile S conformant

ONVIF | S

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, 1008140140 TA-14 Microphone Windscreen for TCIS/TCIV

1008140140
TA-14 Mic Windscreen for TCIx

- Protects Turbine Compact microphone against wind noise

Size (WxHxD): 110 x 12.4 x 15.5 mm

1008115030
TCIV-3

- HD Video at up to 25 FPS (480P)
- 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 - IP65 rating
- 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
- ONVIF Profile S conformant

ONVIF | S

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, 1008140140 TA-14 Microphone Windscreen for TCIS/TCIV

1008113020
TCIA-2 Analog over IP

- Vandal resistant Analog over IP intercom
- Up to 60 meters extended analog interface keeps the IP network port in protected area
- Robust die-cast aluminum frame - IK10 rating
- Stainless steel front plate with one button
- Used together with TKIS-2 and TKIA-2

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, 1008140140 TA-14 Microphone Windscreen for TCIS/TCIV

1008133020
TKIa-2 Analog over IP Gateway

- Extend analog interface on TKIS-2 up to 60 m
- Keep your IP network port in protected area.
- Used together with TKIS-2 and TCIA-2

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

1008115050
TCIV-5

- HD Video at up to 25 FPS (480P)
- 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 - IP65 rating
- Built to last with robust die-cast aluminum frame
- Supports wide set of IP and networking standards
- Black thermoplastic front plate with two buttons
- Unique labelling solution with PMOLED displays
- Ideal for Building Security and Public Environments
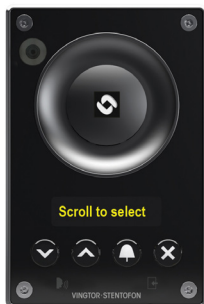- Background Noise Cancellation
- ONVIF Profile S conformant

ONVIF | S

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, 1008140140 TA-14 Microphone Windscreen for TCIS/TCIV

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

Industrial/Ex IP Stations

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
- Full Keypad + 6 configurable I/Os
- Dust- and water-protected to IP66 rating
- 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: 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 IP66 rating
- 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: 1023533312 EMMAI-2H Mic, 1008140230 TA-23 Handset, AK5850HS Headset, 1008140225 TA-22B Cable & Plugbox, 1008140100 TA-10 Relay Module

1008122060
TFIE-6

- 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
- Full Keypad + 6 configurable I/Os
- Dust- and water-protected to IP66 rating
- 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
- PMOLED display with scrolling unit for calling to unlimited number of places

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

Accessories: 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 2014/34/EU
- 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 IP66 rating
- 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 2014/34/EU
- 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 IP66 rating
- 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 2014/34/EU
- 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 IP66 rating
- 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 2014/34/EU
- 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 IP66 rating
- 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

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

1023533312 / 1023533511

EMMAI-2H / EMMAX-1H Mic

- Handheld microphone PTT key
- Noise cancelling microphone
- High quality digital background noise reduction
- 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

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: IP66
- 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

- Compact, rugged plugbox with PTT (10m cable)
- For use with AK5850HS Headset
- TA-22B for Turbine Industrial intercoms
- TAX-2B for Turbine Ex intercoms

Length: 10 m

Heavy Duty IP 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 120 mm 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 148 mm Wt: 5.4kg

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

1008070010
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
- Advanced supervision functions

Size (WxHxD): 124 x 252 x 162 mm Wt: 1.0kg

IP Station Kits

1008090200 / 1008090250
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
- 1008090250 with conformal coating
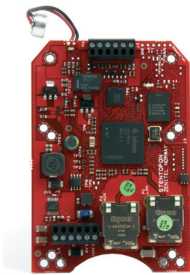
Size (WxHxD): 72 x 110 x 20 mm Wt: 0.1kg

Accessories: 1008091000 Mounting and Assembly Kit for IP Substation

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

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.

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

Accessories: 1008140170 TA-17 electret mic

1008132020
TKIE-2 Turbine IP Station 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
- Connects to high-power relay module (TA-10)
- High quality Turbine™ class output with 10W amplifier
- Full open duplex and digital noise reduction
- Metal enclosure suitable for DIN-rail mounting

Size (WxHxD): 106 x 74 x 30 mm Wt: 0.1kg

Accessories: 1008140170 TA-17 electret mic

1008132010 / 1008132030
TKIE-1/TKIE-3 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
- TKIE-3 comes with 5x5 keyscan matrix
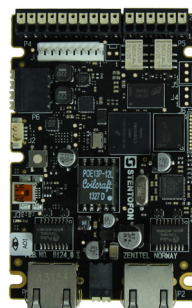
Size (WxHxD): 100 x 65 x 25 mm Wt: 0.1 kg

Accessories: 1008140100 TA-10 Relay Module

1008091000
Mounting & 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
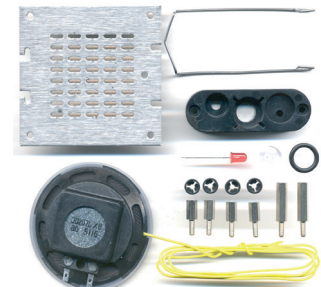
Wt: 0.4kg

Accessories: 1008090200 IP Substation Kit

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 & 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 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 Cards, 1 Program & Clock Board APC equipped with microcontroller, 2 Subscriber Line Boards, 2 x 1.5m 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 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 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.
- 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

Analog Stations

Analog Stations only work with AlphaCom

1007072090
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

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

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

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

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

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

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

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, 1008140140 TA-14 Microphone Windscreen for TCIS/TCIV

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, 1008140140 TA-14 Microphone Windscreen for TCIS/TCIV

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, 1008140140 TA-14 Microphone Windscreen for TCIS/TCIV

1007042000
Wall Master Station with 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

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

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

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

2213000200

KNSP-01 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

2213000100

KNSP-09 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

1007102000

Substation Kit

- Complete kit to make a customized substation for the AlphaCom XE
- Vandal resistant call button
- Superb audio quality (10 kHz)
- External or extra call button option
- 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 (WxHxD): 205 x 320 x 140mm   Wt: 5.4kg

Size (WxHxD): 205 x 320 x 120mm   Wt: 5kg
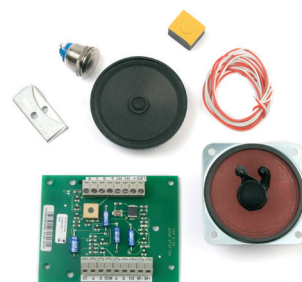
Size printcard (WxHxD): 71 x 90 x 25   Wt: 0.5kg

100964801x

SoftClient - 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

- 1009648011 1 License
- 1009648012 6 Licenses
- 1009648013 12 Licenses
- 1009648014 36 Licenses
- 1009648015 138 Licenses

Size (WxHxD): Resizable

AlphaCom Application Software

AlphaPro

AlphaPro is the tool for configuring the AlphaCom XE system. It is self conained, 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 parameter 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 autoload are required.

1009291120
AlphaPro professional, USB dongle

Vingtor-Stentofon Operator

1191101000
Vingtor-Stentofon Operator Basic License

1191101010
Vingtor-Stentofon Operator Enhanced License

Vingtor-Stentofon Operator is a PC-based system management package for the AlphaCom Audio Servers. It shows the status of intercom devices using maps and makes it easy for operators to:
- View calls and call requests
- Act easily and quickly on events and requests
- Store an onscreen history of events through a Journal

Vingtor-Stentofon Operator is primarily intended for use in a control room environment. It provides a clear overview for operators with multiple layout possibilities according to the operator's preference. Layouts can be defined to cover single or multiple screens and can be added, edited and deleted by administrators.

OPC

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

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)
- OPC Unified Architecture (OPC UA)

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.

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.

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.

Redundancy License 36 Users

Redundancy License 138 Users

Redundancy License 276 Users

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 grafical 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

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

1190110100
VS Recorder – Base Module
1190110110
VS Recorder – Playback/Configuration Client
1190110120
VS Recorder – AlphaCom Recording Module
1190110121
VS Recorder – AlphaCom Recording Module, AddOn
1190110131
VS Recorder – Stream Recording Module, 1 stream
1190110138
VS Recorder – Stream Recording Module, 8 streams
1190110150
VS Recorder – Enterprise Management Server
1190110160
VS Recorder – API
1190110180
VS Recorder – Secure Audio Export

VS-Recorder

- AlphaCom Call Recording
- Audio and Video Stream Recording

The Vingtor-Stentofon Recorder software is a fully-featured IP based audio recorder with additional support for video recording. 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.

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

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.

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

Project Engineering

Zenitel offers various types of Project Engineering services that are tailored to customer needs.

Exigo
IP Amplifiers
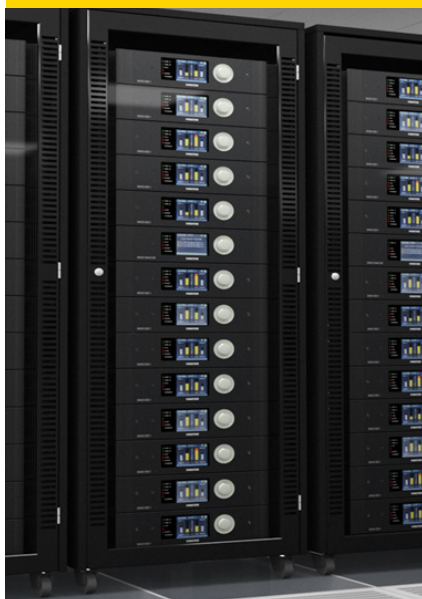
Robust IP PA

Exigo IP amplifiers have been designed to meet the robust requirements in the O&G, Industrial, and Marine segments. This is solved by extensive self-monitoring, EN60945 approval ratings, robust class-D technology, and a wide range of inputs and outputs.

The Exigo IP amplifiers are compatible with the AlphaCom system and can be combined with the availabile features to make powerful solutions combining intercom, Talk-Back and PA for operational use.

1023102200
ENA2200
Exigo Network Amplifier
2 x 200W Power

- 2x 200-watt continuous GA effect
- 2x 200-watt PA effect
- Power efficient class D technology
- 110-230 VAC primary power and 24-48 VDC secondary power
- Redundant Ethernet connections
- Digital audio processing, equalizer and audio delay
- Tick tone generator
- Loudspeaker line monitoring
- Supports up to 10 Intelligent Line End Transponders
- Input for backup amplifier
- 6 configurable control outputs
- 6 configurable control inputs

Size (WxHxD): 482 x 87 x 390 mm
Weight: 13.0 kg

Additional Information: IP-32

1023102400
ENA2400-DC
Exigo Network Amplifier
2 X 400W Power

- 2x 400-watt continuous GA effect
- 2x 400-watt PA effect
- Power efficient class D technology
- 48 VDC power
- Redundant Ethernet connections
- Digital audio processing, equalizer and audio delay
- Tick tone generator
- Loudspeaker line monitoring
- Supports up to 10 Intelligent Line End Transponders
- Input for backup amplifier
- 6 configurable control outputs
- 6 configurable control inputs

1023102410
ENA2400-AC
Exigo Network Amplifier
2 X 400W Power

- 2x 400-watt continuous GA effect
- 2x 400-watt PA effect
- Power efficient class D technology
- 110-230 VAC power
- Redundant Ethernet connections
- Digital audio processing, equalizer and audio delay
- Tick tone generator
- Loudspeaker line monitoring
- Supports up to 10 Intelligent Line End Transponders
- Input for backup amplifier
- 6 configurable control outputs
- 6 configurable control inputs

1023102100
ENA2100-AC
Exigo Network Amplifier
2 X 100W Power

- 2x 100-watt continuous GA effect
- Power efficient class D technology
- 115-230 VAC power
- Redundant Ethernet connections
- Digital audio processing
- Embedded tick tone generator
- Loudspeaker line monitoring
- Supports up to 10 Intelligent Line End Transponders
- Line Input
- 2 configurable control outputs
- 2 configurable control inputs

Size (WxHxD): 482 x 87 x 390 mm
**Weight: 13.5 kg**

Additional Information: IP-32

Size (WxHxD): 482 x 87 x 390 mm
Weight: 13.5 kg

Additional Information: IP-32

Size (WxHxD): 254 x 87 x 308 mm
Weight: 5.75 kg

Additional Information: IP-32

1023540000

ELTSI-1
Exigo Industrial Line End Transponder

- Loudspeaker line end transponder
- Powered from and communicates over the loudspeaker lines
- Small and simple to install
- Rugged and weather proof housing
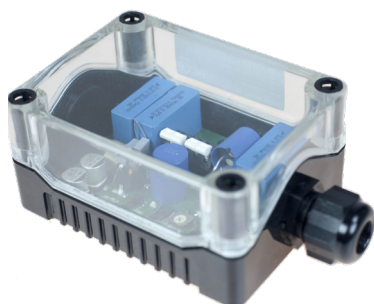
Size (WxHxD): 80 x 106 x 53 mm
Weight: 0.350 kg

Additional Information: IP-67

Line End Transponder Monitoring Principle

The intelligent line end transponder ensures reliable monitoring of the loudspeaker lines. The Exigo amplifier knows how many line end transponders are used and will check that all the line end transponders are able to communicated with the amplifier according to the monitoring cycles. Where impedance measurements may result in an erroneous report of a broken line, the line end transponder will always report the correct health of the loudspeaker loop.
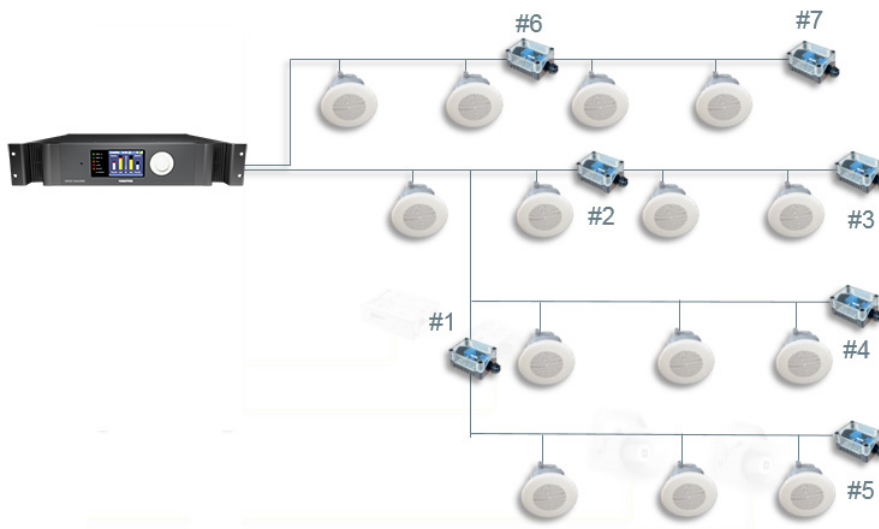
IP Loudspeakers

1023300010

ELSIR-10C Network Ceiling IP Loudspeaker

- Steel fire dome
- 10W Class D, built-in amplifier
- >100 dB SPL
- Ideal for Micro Zone PA and systems that require a limited number of speakers
- Each speaker is individually addressable and monitored
- Ideal for speakers installed in remote locations, e.g. roads and railways
- Remote software upgrade and configuration
- Relay output for remote control, e.g. doors, signal lamps, gates
- Powered from the IP network cable using Power over Ethernet (PoE)

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

1023301310

ELSII-10H Network Horn IP Loudspeaker

- 10W Class D, built-in amplifier
- Dust and water tight – IP 67
- >116 dB SPL
- Ideal for Micro Zone PA and systems that require a limited number of speakers
- Each speaker is individually addressable and monitored
- Ideal for speakers installed in remote locations, e.g. roads and railways
- Remote software upgrade and configuration
- Relay output for remote control, e.g. doors, signal lamps, gates
- Powered from the IP network cable using Power over Ethernet (PoE)

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

Related items: 1023303010 EMCG-1 Cable Gland Microphone

Flowire

The Flowire Converter enables Ethernet to run on the same two wires as power, enabling simpler cabling and opens up for longer cable hauls.

Connection to Central Equipment Rack for Outdoor and Ex Stations

The stations can use the 2-wire Flowire system for connection.
Flowire is used to extend the Ethernet connection and support power distribution on the 2-wire cabling infrastructure. To support the Flowire interface, the central equipment rack must be equipped with an FCDC2 Flowire Converter. Each outdoor station will require its own FCDC1 Flowire Converter.

The Ex station located in the hazardous zone is connected to the central equipment rack located in the safe zone using an Ex certified 2-wire cable.

1008080110

FCDC1 Flowire Ethernet Converter, DC Voltage

- One single pair of cable can be used to distribute power and data
- The cable hauls can be longer, reducing the need for switches and/or repeaters
- Up to 10 Flowire devices can be connected to the same 2-wire cluster
- 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)
- Power 24 Vdc - 48 Vdc

Size (WxHxD): 120 x 65 x 13 mm   Weight: 0.3 kg

1008080210

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 cluster star topology
- 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)
- Protection IP-20
  Important:
- 24V DC non-PoE for Ex equipment
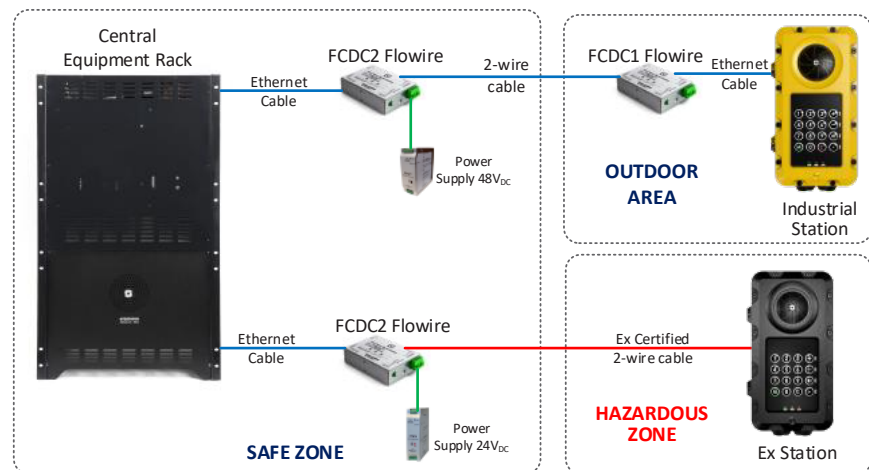- FCDC2 Flowire is required for Ex Call & Alarm Panels

Size (WxHxD): 110 x 66 x 17 mm   Weight: 0.3 kg

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

2990102120

Flowire Ex 120 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: 0.92 kg

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

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

Each **SIP** 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

Pulse Licenses & Extensions

1009661001
1 x Pulse-IP Station License

1009661006
6 x Pulse-IP Station License

1009661101
1 x Pulse-Server-VS-Client Extensions

1009661106
6 x Pulse-Server-VS-Client Extensions

1009661201
1 x Pulse-Server-SIP-Client Extensions

1009661206
6 x Pulse-Server-SIP-Client Extensions

1009662001
Pulse-Server-TelTrunk

1009660002
Pulse-Server-Enterprise

AlphaCom Mode Licenses for Exigo Amplifiers
Each amplifier channel consumes one license, but two channels can be combined into one on an amplifier to save on licensing.

1009641701
License for 1 Exigo Amplifier Channel

1009641702
License for 2 Exigo Amplifier Channels

1009641703
License for 3 Exigo Amplifier Channels

1009641706
License for 6 Exigo Amplifier Channels

1009641712
License for 12 Exigo Amplifier Channels

1009648510
High Bandwidth Audio License