VINGTOR
ACM FAMILY & PULSE

INTEGRATED COMMUNICATION SYSTEMS

VINGTOR

VINGTOR is world-renowned for its extensive knowledge in the design, construction, installation and maintenance of integrated marine communication systems. Leveraging our long-term experience serving the maritime industry, we offer an impressive portfolio and provide cutting edge solutions to vessels worldwide under the brand name of VINGTOR®. The VINGTOR brand underpins our reputation as a supplier of the most flexible, reliable and advanced communication systems available today.

MEETING YOUR REGULATORY REQUIREMENTS
All VINGTOR products that form a part of critical communication have been tested according to IEC 60945, IEC 60533 standards, and comply with SOLAS regulations and codes relevant to on-board communication systems. Our systems are delivered in accordance with the rules of all major classification societies.

FOR ALL YOUR SALES & AFTER SERVICE REQUIREMENTS
VINGTOR is a specialist provider of spare parts, repairs, maintenance contracts and refit solutions. Responsibility and availability are our guidelines and customer support and service a first priority.

VINGTOR

COMMUNICATION SYSTEMS

The VINGTOR ACM system unites and enhances a vessel's safety systems by providing outstanding on-board communication. The VINGTOR ACM solutions have three main system variants. These are:

- VINGTOR ACM Analog Telephone System
- VINGTOR ACM Integrated Communication System
- VINGTOR ACM Advanced Communication System

The VINGTOR ACM systems provide reliable, robust and proven communication solutions. The ACM systems have continuously been developed and enhanced to take advantage of new technologies such as IP Networking. The different ACM systems are built around the STENTOFON AlphaCom XE intercom exchange. The AlphaCom exchange is an avanced communication switch designed to meet the growing needs of internal and external communication onboard ships. The exchange features advanced functions such as 1-BIT audio technology (20 kHz audio), IP switching, Web services, and a wide set of integration options.

AlphaCom XE is a modular platform, supporting IP as well as analog telephones and networking. This modularity and flexibility results in a product offering of various system packages. These system packages satisfy the requirements of all types of vessels from small conventional vessels to large advanced ships. (See table for list of capabilities for the different ACM systems.)

FEATURES

- Typed approved solution for two way communication and Talk-Back, Two-way handsfree voice communication, Public Address and General Alarm
- Three main system packages; ACM Analog Telephone System, ACM Integrated Communication System with PA and GA Solution, ACM Advanced Integrated Communication System
- 1-BIT audio technology (20 kHz) ensures correct communication
- Modular and flexible systems supporting all types of vessels
- Supports IP DECT and wireless handset
- Supports IP, digital and analog telephones, and networking
- Redundant power input with auto-switchover between AC to DC power
- Supports remote services using IP and Web technologies

APPROVALS

The ACM system is tested according to IEC 60945, and is type approved by DNV, RMRS, CCS, Rina and GL

CAPABILITY & FUNCTION OVERVIEW

| CATEGORIES	ACM ANALOG TELEPHONE SYSTEM	ACM INTEGRATED COMMUNICATION SYSTEM	ACM ADVANCED COMMUNICATION SYSTEM
EMERGENCY COMMUNICATION			
Two way communication according to marine requirement	X	X	X
Two way hands free voice communication according to marine requirement		X	X
VINGTOR integrated public address and general alarm		X	X
Public address interface	X	X	X
ACM STATIONS			
Analog telephones	X	X	X
DECT cordless telephones	X	X	X
Analog Intercom Stations	Max.5	X	X
Analog intercom as PA/GA device		X	X
IP Intercom Stations	Max.12	X	X
SUPPLEMENTARY FUNCTIONS			
Billing administration	X	X	X
General PBXs functions	X	X	X
Wireless Paging system via serial ESPA444	X	X	X
Structured cabling system (CAT6A) for high speed data		X	X
Data network (LAN) switches		X	X
Automatic switchover to emergency power	X	X	X
System management, supervision and service performed remotely through the IP network.	X	X	X
External communication via Satellite, V-Sat and GSM	X	X	X
Cisco integration	X	X	X

ANALOG TELEPHONE SYSTEM

VINGTOR
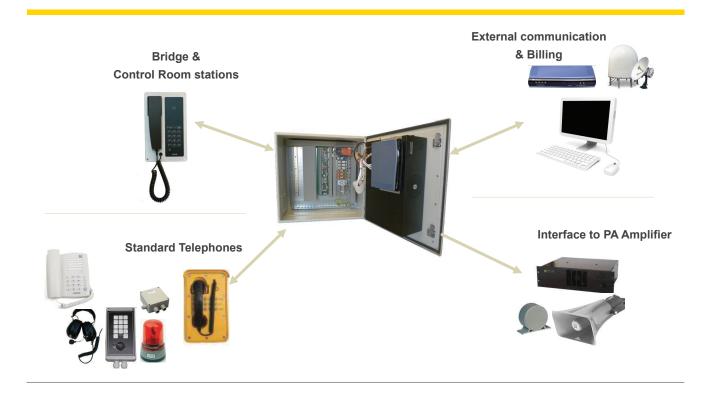
The VINGTOR ACM-M-A is a PBX made for the marine environment. The exchange is based on the well proven ACM solution. The system features the latest technologies such as high capacity line cards, remote management and maintenance using IP and Web technologies as well as VoIP gateways. An optional gateway provides a flexible interface to analog and digital telephone trunks with 2, 4 and 8 channels.

The exchange is available in variants with capacity ranging from 24 to 60 subscribers. It is housed in a wall-mounted cabinet which is optimized for easy installation and maintenance. All connections are easily accessible from the front. The exchange is powered from an AC and/or DC power supply and features automatic switch-over.

The PBX has an interface for connection to a Public Address system. Access to the Public Address interface is programmable.
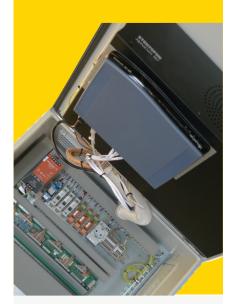
FEATURES

- PBX made for the Marine environment
- Extensive and programmable features supporting all key PBX functions
- Supports remote management and maintenance using IP and Web technologies
- Supports public address (PA) calls via interface to PA systems
- Supports IP DECT and wireless handset
- External communication (GSM and analog) and billing
- Redundant power input with auto-switchover between AC to DC power
- Supports VINGTOR Billing system)

Bridge &
Control Room stations

External communication
& Billing

Standard Telephones

Interface to PA Amplifier

VINGTOR

ACM-M-A-V2 TELEPHONE EXCHANGES

- For wall mounting
- Powered by 230 VAC main and 24V DC Emergency, 230V AC main / 230V AC from UPS
- 115V version on request
- Max power 150W
- Automatic switch over between mains and emergency or 230V AC UPS
- Temperature range 0 - 55°C (recommended 18 - 25°C)
- Subscriber capacity; 60 analog telephones
- PA interface 0 dB/600Ω audio
- External interface and billing: Option analog telephone gateway, Option GSM telephone gateway, Option VINGTOR Billing system
- Protection class IP-22

3006204046

ACM-M-A24/2-V2 PBX FOR 5+24 EXTENSIONS AND 1 PA INTERFACE, 24VDC AND 230V AC EQUIPPED WITH:

- 1x AMC-IP
- 5 traditional lines (4-wire) 1xASLT-2
- 24 analog lines (2-wire) preinstalled 2xATLB-12
- Interface to PA
- 2 analog trunks (230VAC only)
- 1 x MP-114 Gateway

Size (WxHxD): 600 x 600 x 350 mm Weight: 45 kg

Additional Information: Delivered with standard program and documentation for customized programming /documentation ACM/PROG must be added

3006204051

ACM-M-A48-V2 PBX FOR 5+48 EXTENSIONS AND 1 PA INTERFACE, 24VDC AND 230V AC EQUIPPED WITH:

- 1x AMC-IP
- 5 traditional lines (4-wire) 1x ASLT-2
- 48 analog lines (2-wire) preinstalled 4xATLB-12
- Interface to PA

Size (WxHxD): 600 x 600 x 350 mm Weight: 45 kg

Additional Information: Delivered with standard program and documentation for customized programming /documentation ACM/PROG must be added

3006204048

ACM-M-A36/2-V2 PBX FOR 5+36 EXTENSIONS AND 1 PA INTERFACE, 24VDC AND 230V AC EQUIPPED WITH:

- 1x AMC-IP
- 5 traditional lines (4-wire) 1x ASLT-2
- 36 analog lines (2-wire) preinstalled 3xATLB-12
- Interface to PA
- 2 analog trunks (230VAC only)
- 1 x MP-114 Gateway

Size (WxHxD): 600 x 600 x 350 mm Weight: 45 kg

Additional Information: Delivered with standard program and documentation for customized programming /documentation ACM/PROG must be added

3006204053

ACM-M-A60-V2 PBX FOR 5+60 EXTENSIONS AND 1 PA INTERFACE, 24VDC AND 230V AC EQUIPPED WITH:

- 1x AMC-IP
- 5 traditional lines (4-wire) 1x ASLT-2
- 60 analog lines (2-wire) preinstalled 5xATLB-12
- Interface to PA

Size (WxHxD): 600 x 600 x 350 mm Weight: 45 kg

Additional Information: Delivered with standard program and documentation for customized programming /documentation ACM/PROG must be added

VINGTOR

INTEGRATED COMMUNICATION SYSTEM

The VINGTOR ACM Integrated Communication System is specially designed for use onboard ships. The system is based on the STENTOFON AlphaCom XE platform featuring the latest digital technologies such as IP telephony, Web management and IP switching.

The System supports the VINGTOR integrated PA and GA solution. Together with the SPA, the system is extremely cost efficient where SPA loudspeaker loops are used together with the ACM intercom terminals. The ACM intercom terminals are type approved as integrated PA, GA, telephone and talk-back units.

The ACM solution supports a wide range of analog, IP and wireless communication terminals made for the marine environment. IP DECT base stations connect directly to the exchange over IP providing a very cost efficient solution for deploying a wireless network onboard.

The DECT telephones, IP telephones and intercom terminals have all access to the same set of ACM features. Users will be able to benefit from full accessibility as well as seamless mobility as they will always be contactable regardless of their location on the vessel.

FEATURES

- Integrated PA and GA solution
- Wide range of audio terminals and signal units
- Optional External communication; analog telephone gateway and GSM
- Supports VINGTOR Billing
- Remote management and maintenance using IP and Web technologies
- Redundant power input with switchover
- 1-BIT digital audio technology
- Typed approved solution for two way communication, talk back, public address and general alarm for all types of vessels
- Extensive set of features for PBX and emergency communication

Traditional & IP Intercom stations

External communication & Billing

Analog Telephones

Interface to PA-system

VINGTOR

ACM
INTEGRATED SYSTEM RACKS

ACM-M-D-V2 SYSTEM RACK

- Wall mounting
- 8 port switch (6 ports PoE + 2 ports std.) for external equipment, 1 port reserved for AlphaCom connection
- Each exchange can power one additional optional injector kit.
- Prewired for 6 subscriber cards
- Power 230V AC with automatic switch over to 230 VAC UPS or 24V DC Emergency
- 115VAC version on request
- Integrated PA/GA interface (2 inputs, 2 audio ch. Out, 1 audio ch. In)
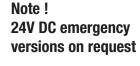- 6 relay outputs / 6 potentially free

Size (WxHxD): 600 x 600 x 350 mm Weight: 45 kg

Additional Information: Delivered with standard program and documentation. For customized programming /documentation ACM/PROG must be added. IP-22

ACM-48-V10 SYSTEM RACK

- Wall or floor mounting
- 8 port switch (6 ports PoE + 2 ports std.) for external equipment, 1 port reserved for AlphaCom connection
- Each exchange can power one additional optional injector kit.
- Prewired for 11 subscriber cards
- Power 230V AC with automatic switchover to 230V AC emergency
- 115VAC version on request
- 12 relay outputs
- Integrated PA/GA interface (6 inputs, 4 audio channels Out, 6 audio channels In)
- (PA zone selection require custom programming)

Size (WxHxD): 600 x 746 x 573 mm Weight: 70 kg

Additional Information: Delivered with standard program and documentation. For customized programming /documentation ACM/PROG must be added. IP-22

ACM-144-V10 SYSTEM RACK

- Floor mounting
- 8 port switch (6 ports PoE + 2 ports std.) for external equipment, 1 port reserved for AlphaCom connection
- Each exchange can power one additional optional injector kit.
- Prewired for 17 subscriber cards
- Power 230V AC with automatic switchover to 230V AC emergency
- 18 relay outputs
- Integrated PA/GA interface (6 inputs, 4 audio channels Out, 6 audio channels In) (PA zone selection require custom programming)

Size (WxHxD): 800 x 1250 x 600 mm Weight: 180 kg

Additional Information: Delivered with standard program and documentation. For customized programming /documentation ACM/PROG must be added. IP-22

AACM-144 V10 SYSTEM RACK

- Floor mounting
- 8 port switch (6 ports PoE + 2 ports std.) for external equipment, 1 port reserved for AlphaCom connection
- Each exchange can power one additional optional injector kit.
- Powered for 23 subscriber cards
- Power 230V AC with automatic switchover to 230V AC emergency
- 24 relay outputs
- Integrated PA/GA interface (6 inputs, 4 audio channels Out, 6 audio channels In)(PA zone selection require custom programming)

Size (WxHxD): 800 x 1250 x 600 mm Weight: 180 kg

Additional Information: Delivered with standard program and documentation. For customized programming /documentation ACM/PROG must be added. IP-22

Note !
24V DC emergency versions on request

INTEGRATED SYSTEM

VINGTOR ACM Advanced Integrated System offers a complete system for Communication, Data, Safety and Entertainment. With the system, reduced cost in infrastructure, more efficient operation, improved user experience and the confidence of type approved and certified systems are attained.

The function modules are integrated and assembled into 19" racks made for marine environments. With the modular building platform, the system can be expanded to provide audio and data communication for 30 to over 1000 users.
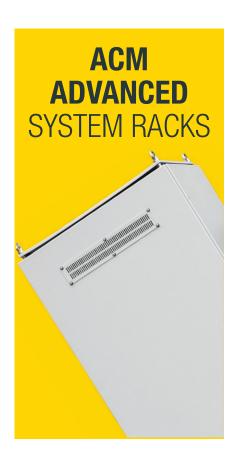
The ACM Advanced Integrated System provides a type approved structured cabling system (CAT-6A) as the backbone. With its advanced wiring and patch solution the system supports all-in-one cabling. This results in a significant reduction in cabling infrastructure where a single (CAT-6A) cable can provide telephony (analog or IP), general alarm, public address, internet access and IP TV to a cabin.

FEATURES

- Made for marine environment
- New modular building platform
- Advanced integration options
- Data network infrastructure
- Advanced cabling solution
- Integrated PA and GA distribution
- Wide range of audio terminals and signal units
- External communication and billing
- Remote management and maintenance using IP and Web technologies
- Redundant power input with switch over

ACM ADVANCED SYSTEM RACKS

Note !
See Catalog "Common Equipment" for suitable system racks
See Catalog "LAN" for suitable switches

CABINETS
INDOOR TS 8

System benefits

Standard Rittal cabinet comes in the most common sizes. All cabinets are assembled with fixed 19" frame and ready for VINGTOR building modules. These cabinets are suitable for Marine applications. All cabinets include grounding bar, cable inlet in bottom, mounting base and ventilation fan in the steel door or top if glass door. There are a few building upgrade kits available:

1159607200

ACM-XE7 MODULE

- Max 36 traditional intercom
- Max 72 analog telephones
- Max 552 IP intercoms, IP telephones or IP DECT handsets
- Delivered with standard programming and documentation – programming and engineering for project customizing.
- Equipped with AlphaCom AMC-IP Board, 1009202000
  1009296100 STIC for XE1/ XE7

Size (WxHxD): 427 x 133 x 380 mm Weight: 9.0 kg

Additional Information:
9011401001 Power module 115V AC Emergency type C
Assembly included

1159620200

ACM-XE20 MODULE

- Max 102 traditional intercoms
- Max 204 analog telephones
- Max 552 IP intercoms, IP telephones or IP DECT handsets
- Delivered with standard programming and documentation – see programming and engineering for project customising.
- Equipped with:
  AlphaCom AMC-IP Board, 1009202000
  AlphaCom AMC-IP Filter Board, 100951100
  APC AlphaCom program & CLOCK, 1009301000
  AlphaCom Filter Board APC - FB, 1009503000
  Power supply 230 VAC -MK2, 1009703000
  Fan module, 1009296200 STIC for XE20 / XE26

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

Additional Information: Assembly included

1159626200

ACM-XE26 MODULE

- Max 138 traditional intercoms
- Max 276 analog telephones
- Max 552 IP intercoms, IP telephones or IP DECT handsets
- Delivered with standard programming and documentation – see programming and engineering for project customising.
- Equipped with:
  AlphaCom AMC-IP Board, 1009202000
  AlphaCom AMC-IP Filter Board, 100951100
  APC AlphaCom program & CLOCK, 1009301000
  AlphaCom Filter Board APC - FB, 1009503000
  2x Power supply 230 VAC -MK2, 1009703000
  Fan module, STIC for XE20 / XE26

Size (WxHxD): 482 x 841 x 365 mm Weight: 39 kg

Additional Information: Assembly included

ACM ADVANCED ACCESSORIES

- Patch panels
- PA Interface
- Patch Cables & Internal cables

1151101002

POWER MODULE 230V AC MAIN + 230V AC EMERGENCY TYPE B

- Automatic switchover function
- 15 power outlets
- 6 automatic fuses

Size (WxHxD): mm Weight: kg

Additional Information: Assembly included
Switch over to 24V DC emergency on request

2220040018

BERGEN CABLING - MARITIME LAN PATCH PANEL BLACK

- 19" Patch panel 1 HU of solid stainless steel - 24 ports
- Front adjustable from flush to 7 cm rear
- Heavy duty solution for maritime and offshore installations with good distance from fastening the cable to the snap in connector
- Clip-on mechanism: enhanced strain relief
- Extra tightening mechanism for the snap-ins for vibrations resistance
- Labelling strip included

1153100001

VA-110 CARD CASSETTE

- Eurocard cassette for Multi relay board VA-502 and Filterboard VA-503
- Equipped with Fuseboard VA-111-2
- Required for PA and relay functionality
- 9 slots available

Size : 19" 3HU

Additional Information: Assembly cost included.
Additional 9 slots available by using 1020604300 V-1008

1009501041

FILTER BOARD RJ45 - ONE NEEDED PER ASLT2, ATLB FOR ACM-E20 AND E26

- Allows direct connection of a CAT5 installation cable to the back of the exchange
- One needed per ASLT2,ATLB for ACM-XE20 and ACM-XE26 modules

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

Size 19" 1HU

1153100004

6 RELAY OUTPUTS

- Consist of 1x Multi relay board VA-502

Size: Standard europe card

Additional Information: Assembly cost included
Take 1 slot in eurocard cassette

1153100002

BASIC PA INTERFACE

- Support All Call from ACM panel to SPA and from SPA panel to ACM
- Consist of 1x VA-503 Filter board

Size: Standard europe card

Additional Information: Assembly cost included
Take 1 slot in eurocard cassette

1153100003

EXTENDED PA INTERFACE

- Support All Call + 5 zones from ACM panel to SPA and All Call from SPA panel to ACM
- Consist of 1x Multi relay board VA-502 and 1x Filterboard VA-503

Size: 2x Standard europe card

Additional Information: Assembly cost included
Take 2 slot in eurocard cassette

1153100005

BASIC PA INTERFACE - A/B LOOP

- Support All Call from ACM panel to SPA and from SPA panel to ACM
- Consist of 2x VA-503 Filter board

Size: 2x Standard Europe card

Additional Information: Assembly cost included
Take 2 slot in eurocard cassette

1153100006

EXTENDED PA INTERFACE - A/B LOOP

- Support All Call + 5 zones from ACM panel to SPA and All Call from SPA panel to ACM
- Consist of 2x Multi relay board VA-502 and 2 x Filterboard VA-503

Size: 4x Standard europe card

Additional Information: Assembly cost included
Take 4 slot in eurocard cassette

PATCH CABLES & INTERNAL CABLES

The internal cable sets are used to connect the different function modules to the structured cable CAT6A patch panel. All cables are equipped with RJ45 connectors and labelling and assembly are included. The system has the following main cable types:

Cable type A:
Y-cable for feeding one data switch port and one analog intercom extension into a single CAT6A patch point

Cable type C:
Y-cable for feeding one relay output and one analog intercom extension into a single CAT6A patch point

Cable type D:
Standard UTP patch cable

1153200001
Data / Intercom Split Cable Type A - 15/2
Length: Data 15cm / Intercom 2m

1153200002
Data / Intercom Split Cable Type A - 15/3
Length: Data 15cm / Intercom 2

1153200003
Data / Intercom Split Cable Type A - 50/3
Length: Data 50cm / Intercom 3m

1153200004
Relay/ Intercom Split Cable Type C - 3/3
Length: Relay 3m / Intercom 3m

1153200006
Cable UTP Patch Cable Type D - Length 1 M

1153200008
Cable UTP Patch Cable Type D - Length 2 M

1153200010
Cable UTP Patch Cable Type D - Length 3 M

1153200009
Cable UTP Patch Cable Type D - Length 5M

Illustration photo

1152100004
LOUDHAILING LOGIC WITH INTERFACE TO ACM MODULE

- Includes connection for one SPA-M1 microphone panel Command system
- Require separate amplifier
- Can be a part of all-call

Related items: Cable and assembly included

1152101000
EXTRA TERMINAL WITH WIRING - WEIDMUELLER

- One unit of above needed for each termination point

Related items: Cable and assembly included

1152100002
PA AND GA REDUNDANT CONTROL UNIT MAIN CLASS

- Type approved solution for PA and GA according to requirements from DNV,GL, Rina, BV and ABS
- Support 6 PA zones and 2 SPA microphone panels
- Support VINGTOR integrated PA and GA using ACM intercom stations
- Consist of 1x 2HU unit & 1 x 1HU unit

Size: 19" 2HU & 19" 1HU

Additional Information: Assembly included

1152100001
CONVENTIONAL PA CONTROL UNIT

- Type approved PA solution for conventional vessel
- Support 6 PA zones and 2 SPA microphone panels
- Support VINGTOR integrated PA using ACM intercom stations
- Mounting in 19" rack

Size: 19" 2HU

Additional Information: Assembly included

2810011001
BRACKET FOR 19" MOUNTING OF SINGLE IP-ARIO

Size (WxHxD): 254 x 42 x 42mm Weight: 0,3 kg

1152100005
PA AND GA REDUNDANT CONTROL UNIT PASSENGER CLASS

- Type approved solution for PA and GA according to requirements from DNV,GL, Rina, BV and ABS
- Support 6 PA zones and 2 SPA microphone panels
- Support VINGTOR integrated PA and GA using ACM intercom stations
- Consist of 1x 2HU unit & 1 x 1HU unit

Size: 19" 2HU & 19" 1HU

Additional Information: Assembly included. The passenger class require 1 set in each A and B rack

1008095100
IP-ARIO AUDIO REMOTE I/O UNIT

- 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 Weight: 1.5kg

Additional Information: Bracket needed for 19" rack mounting 1153401003 w/ mount brackets and license included

1153402001
RADIO INTERFACE WIRING FOR 1 X IP-ARIO

1153402002
RELAY FUNCTION WIRING 6 OUTPUTS FOR 1X IP-ARIO

Size: Standard europe card

Additional Information: Assembly cost included

ACM COMMON ACCESSORIES

SUBSCRIBER & FEATURE CARDS

Add extra features and functionality to your ACM XE Servers with Feature Cards.

1009101010
ASLT2 - SUBSCRIBER LINE BOARD - SUPPORTS 6 ANALOG INTERCOM STATIONS

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

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

1009104000
ATLB12 - SUBSCRIBER LINE BOARD - SUPPORTS 12 ANALOG TELEPHONES

- 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 10 mm   Weight: 0.5 kg

1153200052
MRBD MULTI RELAY BOARD WITH 6 RELAY ACM ADVANCED

- Relay board for control of external equipment, such as door opening, additional call indication, CCTV control etc.
- Equipped with 6 relays, each with two-poled change over contacts
- The relays are controlled by outputs in the exchange or from the RIO unit (RIO unit available on request)

Size (WxH): 105 x 100 mm   Weight: 0.5 kg

Additional Information:
1151004050 Multi relayboard for ACM standard

GATEWAYS

- SIP Gateways
- Analog gateway
- GSM media gateway

3006204094
MP-114 ANALOG MEDIA GATEWAY - FXO 4-PORT - 100-240VAC - LICENSE

- Connects ACM system to the public telephone network
- Supports 4 analog telephone lines
- Web management for easy configuration and installation

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

Additional Information: Include Patch UTP CAT5E cable and assembly

3006204099
MP-118 ANALOG MEDIA GATEWAY - FXO 8-PORT - 100-240VAC - LICENSE

- Connects ACM system to the public telephone network
- Supports 8 analog telephone lines
- Web management for easy configuration and installation

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

Additional Information: Include Patch UTP CAT5E cable and assembly

1150102101
MP-11X GATEWAY MOUNTING KIT FOR ACM-M-X-V2 INCL. ASSEMBLY

- To be mounted on top of the exchange

Size: WxHxD): 246 x 130 x 7 mm Weight: 0,375 Kg

Additional Information: Include: 2370102001 and assembly

1150102102
MP-11X GATEWAY MOUNTING KIT FOR ACM-V10 INCL. ASSEMBLY

- For mounting on top of ACM-48-V10 or on the backplane of AACM-/ACM-144-V10.

Size: WxHxD): 225 x 155 x 2 mm Weight: 0.22 Kg

Additional Information: Include: 2370202001 and assembly

1150102103
MP-11X GATEWAY MOUNTING KIT FOR ACM ADV. W/ WIRING & ASSEM

- Allows mounting in standard 19" rack

Size: 19" 1HU

Additional Information: Includes 2370102000, wiring and assembly.

3006204002

92522 GSM GATEWAY - QUAD BAND 850/900/1800/1900 MHZ

- Connects the exchange to GSM for external calls
- GSM coverage using quad band GSM (850/900/1800/1900 MHz)
- 110 - 265VAC

Size (WxHxD): 205 x 27 x 124 mm Weight: 0.75 kg

Additional Information: For use with FXO gateways

2200003000

MV370 GSM MEDIA GATEWAY - QUAD BAND (800/900/1800/1900 MHZ)

- Connects the exchange to GSM for external calls
- GSM coverage using quad band GSM (800/900/ 1800/1900 MHz)
- Web interface for configuration
- 12 VDC (230 VAC using power adaptor)

Size (WxHxD): 145 x 173 x 45 mm Weight: 1,2 kg

Additional Information: Need SIP trunking license
Can not be used in combination with billing v.1.2

3006204153

GSM DUAL BAND WITH VOICE & FAX TERMINAL

- Dual band Voice and FAX terminal (900/1800MHz)
- Supports all normal telephone functions
- 220-230 VAC

Size (WxHxD): 100 x 27 x 100 mm Weight: 0.110 kg

Additional Information: For use stand alone, Fax or Voice with FXO gateways

3006204005

92580 GSM MULTIBAND ANTENNA + 10M CABLE & BRACKET

- Antenna for GSM900, GSM1800, PCS1900, 3G UMTS
- Frequency range: 890-960, 1710-1880, 1900-2170MHz.
- Fibre glass and Stainless Steel

Size Antenna (WxH): 25 x 445 mm Weight: 0.5 kg

Additional Information: Includes adapter cable and connectors

3006204006

92590 GSM MULTIBAND ANTENNA + 20M CABLE & BRACKET

- Antenna for GSM900, GSM1800, PCS1900, 3G UMTS
- Frequency range: 890-960, 1710-1880, 1900-2170MHz.
- Fibre glass and Stainless Steel

Size Antenna (WxH): 25 x 445 mm Weight: 0.5 kg

Additional Information: Includes adapter cable and connectors

VPA AMPLIFIERS

For 19" rack mounting
Require 1HU or 3HU ventilation blind panel for each amplifier when mounted in rack higher than 3HU

- Power amplifier in a 19" rack cabinet
- 100 V and 8 ohm output
- Dual inputs with priority switching
- Temperature controlled, forced back-to-front ventilation
- 115/230 VAC mains and 24 VDC battery backup
- Pilot tone load monitoring
- 24 VDC / 800 mA power output for external equipment
- Chime signal with on/off switch

3005010235
VPA-120 POWER AMPLIFIER, 120W

- Power consumption at 0dB 24V DC 7,5 A
- Power consumption at 0dB 230V AC 1.7 A

Size (WxHxD): 482 x 133 x 420 mm Weight: 18.2 kg

Additional Information:
Tested according to IEC 60945, IACS E10, IEC 60533

3005010239
VPA-400 POWER AMPLIFIER, 400W

- Power consumption at 0dB 24V DC 28,0 A
- Power consumption at 0dB 230V AC 5.4 A

Size (WxHxD): 482 x 133 x 420 mm Weight: 24.2 kg

Additional Information:
Tested according to IEC 60945, IACS E10, IEC 6053

3005010237
VPA-240 POWER AMPLIFIER, 240W

- Power consumption at 0dB 24V DC 15,4 A
- Power consumption at 0dB 230V AC 3.1 A

Size (WxHxD): 482 x 133 x 420 mm Weight: 18.2 kg

Additional Information:
Tested according to IEC 60945, IACS E10, IEC 60533

1152000001
VPA-120 Poweramplifier, 120W with assembly included

1152000002
VPA-240 Poweramplifier, 240W with assembly included

1152000003
VPA-400 Poweramplifier, 400W with assembly included

3006206019
RS-3C RACK 3HU, TERMINALS F/230VAC/24VDC IN/OUT

- 19" 3HU cabinet,
- Prepared for amplifier VPA 120, VPA 240 and VPA 400 with all necessary terminals for external
- 230 VAC / 24 VDC in and out signals

Size (WxHxD): 520 x 450 x 180mm Weight: 6.0 kg

Additional Information: Prepared with necessary terminals for signal in/out and power supply. Assembly included

3005010052
P5201-D VENTILATION PANEL, 1HU PASO

3005010053
P5203-D VENTILATION PANEL, 3 HU PASO

DATA SWITCHES

See separate catalog for complete range of suitable switches:

A100K11441 Local Area Network

1154003102

8 PORTS SWITCH W/6 PORTS POE INJECTOR WITHOUT POWER SUPPLY

- 8 port switch (6 ports PoE + 2 ports std.) for external equipment
- 2 ports reserved for switch interconnection

Size (WxHxD): 46.5 x 25.5 x 105.4 mm Weight: 0.15 kg

Additional Information: Require preexisting injector installed with power supply

---

1154003103

8 PORTS SWITCH W/6 PORT POE INJECTOR WITH 24-48V DC POWER

- 8 port switch (6 ports PoE + 2 ports std.) for external equipment
- 24Vdc to 48Vdc power included
- 1 port reserved for ACM connection

Size (WxHxD):   Weight:

Additional Information: Each included power supply can drive one additional injector. Assembly & wiring included

---

1154003100

4 PORT POE SWITCH AND 1 REGULAR ETHERNET PORT W/ POWER SUPPLY

- Unmanaged 10/100 Mb switch
- 4 PoE ports + 1 standard 10/100 Mb port
- Support PoE for powering IP intercom, IP telephone and IP DECT base stations

- Power supply
- Input AC voltage 85 - 264VAC
- Input DC voltage 120 - 370VAC
- Output DC voltage 48VDC

(WxHxD): 25 x 100 x 82 mm Weight: 0.17 kg

(WxHxD): 55 x 125 x 100 mm Weight: 0.6 kg

Additional Information: 1x Patch cable ACM-E5/2 and assembly included. Required for IP DECT and IP Telephones

---

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 products)
- Power 24 - 48 VDC
- Important note! Several clusters can not share same cable or junction boxes.

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

Additional Information: Protection IP-20
2990102124   Powerbox PSU, 48V DC, 120Watt
2990102244   Powerbox PSU, 48V DC, 250Watt

1154002100

DATA SWITCH - 5 X PORTS ETHERNET SWITCH ECON 2050 - DIN MOUNTED

- Unmanaged 10/100 Mb switch
- DIN mounted
- Data switch for connecting ACM exchanges in multi-module configuration or to other IP-modules

Size (WxHxD): 46.5 x 25.5 x 105.4 mm Weight: 0.15 kg

Additional Information: 1x Patch cable ACM-E5/2 and assembly cost included

CABLE & PATCH EQUIPMENT

For ACM advanced & ACM-IP

The internal cable sets are used to connect the different function modules to the structured cable CAT-7 patch panel. All cables are equipped with RJ45 connectors and labelling and assembly are included.

The system has the following main cable types:

Cable type D:
Standard UTP patch cable

Cable type E:
Data / Data split cable

2220040008

BERGEN CABLING - CONNECTOR CAT 6A STP

- Single CAT-6A socket for patch panel

Weight: 0.010 kg

Additional Information:
2220040012 Bergen cabling- blinding plug

3006204030
Cable UTP Patch Cable Type D - Length 0.25 M

3006204031
Cable UTP Patch Cable Type D - Length 0.50 M

3006204032
Cable UTP Patch Cable Type D - Length 1 M

3006204034
Cable UTP Patch Cable Type D - Length 2 M

3006204044
Data-Data Split Cable Type E- Length 0.25 M

Illustration photo

2220040009

BERGEN CABLING - CONNECTOR CAT6A STP 24 PCS.

- Kit of 24 CAT-6A sockets for patch panel

Weight: 0.240 kg

Additional Information:
2220040012 Bergen cabling- blinding plug

2220040017

BERGEN CABLING - TERMINATING TOOL COMPACT

- For connector CAT-6A

Size (WxHxD): 80 x 55 x 30mm Weight: 0,05 kg

Additional Information:

2220040010

BERGEN CABLING - WALLBOX 1 X RJ45 STP CAT 6A

- Single network outlet box for either wall or flush mounting

Size (WxHxD): 84 x 84 x 55 mm Weight: 0.080 kg

Additional Information:

2220040011

BERGEN CABLING - WALLBOX 2 X RJ45 STP

- Dual network outlet box for either wall or flush mounting

Size (WxHxD): 84 x 84 x 55 mm Weight: 0.090 kg

Additional Information:

2220040006

BERGEN CABLING - DNV APPROVED

- Maritime LAN S/FTB CAT7 cable
- Marine approved network cable

Size (WxHxD): mm Weight: kg

Additional Information: Roll of 500 Mtr.

3006204040

ACM-E-DT/US/A SPLIT STATION CABLE - DATA/ANALOGUE TELEPH.

- Split station cable for extracting data (Ethernet) and analog telephone from wall socket CAT6A when using cable type A
- RJ45 connectors
- Cabin connection

Length: Data 1.5m / Telephone 2m

Related items: Socket RJ45W-5 or RJ45W-7

3006204041

ACM-E-DT/US/I SPLIT STATION CABLE - DATA/INTERCOM

- Split station cable for extracting data (Ethernet) and analog intercom from wall socket CAT6A when using cable type A
- RJ45 connectors
- Cabin connection

Length: Data 1.5m / Intercom 2m

Related items: Socket RJ45W-5 or RJ45W-7

3006204216

ACM-E-DD/US/D SPLIT DATA CABLE - DATA / DATA

- Split station cable for extracting data (Ethernet) from wall socket CAT6A when using cable type E
- RJ45 connectors
- Cabin connection

Length: Data 1.5m / Data 1.5m

Related items: Socket RJ45W-5 or RJ45W-7

ACM
APPLICATION SOFTWARE & LICENCES

MANAGEMENT ALPHAPRO

AlphaPro is the tool for configuring the VINGTOR ACM 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 behavior

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 a server.

- AlphaPro connects to a 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.

1009291100
AlphaPro professional, parallel port dongle

1009291120
AlphaPro professional, USB dongle

VINGTOR BILLING

The Billing application makes it possible to control the communication fees and expenses in a VINGTOR ACM system. The application is a full billing system which can generate revenues from the VINGTOR 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.

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

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. Limited to 3 custom prerecorded 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. Unlimited number of prerecorded messages within the specified storage space.

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

VINGTOR 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. You can make live PA and group call broadcasts with recall for handling feedback and verifying messages, as well as 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.

IP STATION & SIP STATION LICENSE

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 an exchange is 552. These can all be IP stations if the network to which they are configured supports multicast. If this is not the case, the maximum number of supported IP stations in an exchange is 50.

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

NETWORKING

AlphaNet and multi-module linking for the ACM exchanges can be via data networks. This does not require additional hardware inside the exchange, 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.
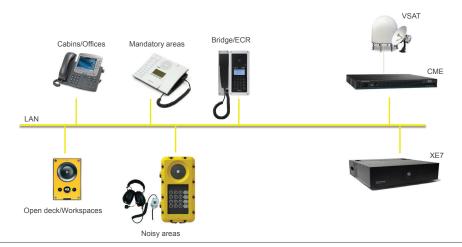
The multi-module license gives the possibility of expanding the size of an exchange. It is possible to add up to 4 modules in a multi-module exchange. The modules will be linked together over a local area IP network (LAN). 30 VoIP channels are available in each exchange module. Note that the license is only required in the master module in the multimodule exchange.

CISCO INTEGRATION

The VINGTOR ACM – Cisco Call Manager Integration expands the vessel's internal communication system to be an integrated communication system for your complete fleet and onshore offices.

The solution uses the VINGTOR ACM system to provide a type approved solution for the vessel and at the same time connects to a Cisco Call Manager Express server onboard the vessel. This allows you to use both Cisco telephones and type approved VINGTOR terminals. The VINGTOR ACM system is part of the private number plan used by the Cisco Call Manager system and connects to the Call Manager Express with VoIP protocols.

The integration allows you to take a best-of-breed approach, where you can mix VINGTOR and Cisco telephones, intercoms, and DECT wireless in the same solution.

MANUALS & SPARES

A100K10647

ACM Family System Installation & Configuration

A100K10646

ACM User Guide

A100K10649

Data Network Guideline for VINGTOR ACM System

A100K10430

ACM-M-A-V2 Telephone System

A100K10805

AlphaCom XE Installation, Configuration & Operation

A100K10390

SIP GSM Gateway MV-370

A100K10333

SIP Gateway Audiocodes MP-114/118

A100K10590

VINGTOR Billing Administration ACM

3006204084

ACMS1 Standard Set Of Spares

PROJECT DOCUMENTATION PROGRAMMING

3006204219

Documentation Package For ACM Advanced Documentation & Programming

3006204012

ACM Programming

ACM ANALOG STATIONS

ANALOG TELEPHONES TRADITIONAL & ATEX

For use with Exchanges ACM-M-A
Accessories in separate chapter

2213000300

VAF-1
ANALOG FLUSH TELEPHONE W/RELAY

- Bridge and ECR console telephone
- Supports DTMF
- Double ringing tone selection for dual telephones in same area
- Solid construction for marine environment
- Adjustable backlight
- Volume control
- Relay output

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

Additional Information: IP-22

2212000100

DT-800M - DESKTOP ANALOG TELEPHONE

- Solid construction for marine environment
- Desk or wall mounting
- Good audio quality
- Easy to use with large buttons and special function keys
- Suitable for cabins and offices

Size (WxHxD): 162 x 110 x 195 mm Weight: 0.4 kg

Additional Information: Plugbox PT-625A required
IP-22

2213000100

HEAVY DUTY ANALOG TELEPHONE - MOUNTING PLATE INCLUDED

- 5 mm aluminium casing
- External ringer unit recommended such as HB-105 or CRB-7 with signal light
- Powered by phone line
- Full phone keypad plus special function keys

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

Additional Information: IP-66
Optional Junction box JB-15T O.no.3006090476

2213000200

HEAVY DUTY ANALOG TELEPHONE WITH DOOR MOUNTING PLATE INCLUDED

- 5 mm aluminium casing
- External ringer unit recommended such as HB-105 or CRB-7 with signal light
- Door has smart stay-open or stay-shut mechanism

Size (WxHxD): 205 x 320 x 120 mm Weight: 5.4 kg

Additional Information: IP-67
Optional Junction box JB-15T O.no.3006090476

3005000025

HSB-03 TELEPHONE WALL W/ HEADSET PLUG, ACTIVE, ON / OFF

- Weatherproof multipurpose telephone
- To be used in combination with headset P-MT7 or handset HAS-3
- Alarm bell HB-105 must be connected
- One relay (max 50 mA)

Size (WxHxD): 124 x 724 x 63 mm Weight: 0.6 kg

Additional Information: IP-66
Relay unit IRR-3 for other signal unit than HB-105

TRADITIONAL INTERCOM STATIONS

For use with ACM Integrated system exchanges
Accessories in separate chapter

2213001003

DA24H TELEPHONE WITH HEADSET W/MF/LD KEYPAD DIAL, WT

- Analog industrial Ex Telephone w/ headset for Zone 1
- The telephone set has an extremely robust keypad with 16 push buttons
- Can use both DTMF and pulse dialling
- The handset has an adjustable locking hook

Size (WxHxD): 124 x 724 x 63 mm Weight: 0.6 kg

Additional Information: IP-66
Relay unit IRR-3 for other signal unit than HB-105

1007072090

VMP-D619B MAIN STATION LOW/ LOUDSPEAKING W/DISPLAY/VOL. OVERRIDE AND D-10 KEYS, BLACK

- Typed approved for broadcasting public address and general alarm as well
  as two way communication
- Combined wall and desk master station with full access to all features in the
  VINGTOR ACM exchange
- Easy operation provided by a 2 x 16 character alphanumeric display
  and ten direct access keys
- Superb audio quality
- Handset for confidential conversations
- Advanced supervision functions
- Volume override
- Approved station for PA/GA

Size (WxHxD): 225 x 75 x 176 mm Weight: 0.670 kg

Additional Information: Station accessory kit needed, see order no. 1009800100

2213001002

DA24 TELEPHONE W/MF/LD KEYPAD DIAL, WT

- Analog industrial Ex Telephone for Zone 1
- The telephone set has an extremely robust keypad with 16 push buttons
- Can use both DTMF and pulse dialling
- The handset has an adjustable locking hook

Size (WxHxD): 154 x 221 x 105 mm Weight: 1.95 kg

Additional Information: IP-66
3005000016
dA24ID Ex Telephone W/DTMF-LD, Illuminated Dial

1007034210

VMP-619 MAIN STATION LOW/ LOUDSPEAKING AND D-10 KEYS, IVORY

- Combined wall and desk master station with full access to all features in the VINGTOR ACM exchange
- 10 direct access keys
- Superb audio quality
- Handset for confidential conversations
- Advanced supervision functions

Size (WxHxD): 225 x 75 x 176 mm Weight: 0.670 kg

Additional Information: Station accessory kit needed, see order no. 1009800100

1020600305

VMP-530 MAIN STATION WT

- Designed for humid, dirty and outdoor conditions, wall mounting
- Built-in microphone
- Need external loudspeaker VML-1520 (not included)
- Voice operated duplex, full duplex with handset VMP-211 or VMP-250

Size (WxHxD): 124 x 224 x 63 mm Weight: 0.750 kg

Additional Information:IP-65

3006202035

VMP-530VHM MAIN STATION W/ HANDMIC IN WT CABINET

- Designed for humid, dirty and outdoor conditions, wall mounting
- Hand microphone included
- Need external loudspeaker VML-1520 (not included)

Size (WxHxD): 310 x 215 x 160 mm Weight: 4.5 kg

Additional Information: IP-66

1020600315

VMP-503 MAIN STATION WITH BUILT IN 50 OHM LOUDSPEAKER WATERPROOF

- Designed for use with ACM exchanges and for wall mounting.
- Handsfree open conversation or private when used with Handset VMP-211 or VMP-250.
- Built-in loudspeaker
- Built-in electret microphone gives clear sound
- Keyboard with large digits
- C-key for cancelling calls
- M-key for manual switching of speech direction (simplex).
- Voice operating duplex speech.
- Full duplex when connected with handset VMP-221
- Public Address messages via General Call and Group
- Calls with automatic answer back, are available
- Audio Programmes can individually be selected and received.
- Screw terminals for easy connection of Installation cables and optional

Size (WxHxD): 124 x 224 x 63 mm Weight: 0.75 kg

Additional Information: IP-65

3006202031

VMP-503PA PORTABLE MAIN STATION W/ BUILT-IN L/S WT

- Designed for humid, dirty and outdoor conditions
- 5 m cable, plug and carrying handle
- Built-in loudspeaker and microphone
- Voice operated duplex

Size (WxHxD): 124 x 224 x 63 mm Weight: 1.03 kg

Additional Information:IP-65

3006202037 VMP-503PA/15 portable main station w/ built-in loudsp.W/ 15m cable WT - IP-65

1028114010

TCAS-1-V TURBINE COMPACT

- VINGTOR Audio Presence - crystal clear audio
- Analog MEMS microphone
- Unique 3D speaker grille design
- Scandinavian functional 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

Size (WxHxD): 120 x 180 x 54 mm Weight: 0,8 kg

Accessories: 1008140010 TA-1 Turbine Compact On Wall Box IP-66

ACM
IP STATIONS

IP INTERCOM STATIONS BRIDGE & ECR

VINGTOR offers a comprehensive range of IP intercom indoor 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.

1008097100
HANDSET FOR IP FLUSH MASTER

- Handset module for IP Flush Master

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

Additional Information: For 1008031000 IP Flush master

1008031000
IP FLUSH MASTER, DISPLAY

- Made for Critical Communication over IP
- 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
- Internal relay output

Size (WxHxD): 125 x 280 x 30 mm Weight: 0.37 kg

Additional information: 1008097500 Gooseneck Microphone, 1008097100 Handset Require IP station license

2213100000
HEADSET SOLUTION - IP FLUSH MASTER

- Headset solution for IP Flush Master
- Includes ON/OFF switch
- Flush mounting
- Light, comfortable, single-sided mono headset
- Noise cancelling microphone

Size (WxHxD): 96 x 96 x 80 mm Weight: 0.24 kg

Additional Information: IP-21
Disclaimer: Only for included headset

1008010100
IP CRM DAK MODULE

- Extends IP Flush Master Station with 48 programmable DAK keys (direct access keys)
- Ideal for PA, talk-back and telephone calls
- Visual indications with two LEDs (green/red) per DAK key
- All keys have backlight (adjustable)
- Easy labelling of keys

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

Additional Information: For 1008031000 IP Flush master
Require CRM license

1008001000
IP DESK MASTER STATION W/DISPLAY & HANDSET

- Large high contrast display with backlight for excellent readability
- Four dynamic menu navigation keys
- Supports broadcast of general alarm and public address functions
- Supports wide set of features such as group call, conference call, call queuing
- Ten DAK keys provide single-touch access functions
- Handset for confidential conversations
- Superb audio quality through wide bandwidth codec and high quality, high output power amplifier
- Integrated Web server
- Remote software upgrade, configuration and monitoring
- Full duplex functionality gives optimal speech quality in loudspeaker mode

Size (WxHxD): 225 x 75 x 176 mm Weight: 0.630 kg

Additional Information: Require IP station license
Wall bracket 1008091100

IP INTERCOM STATIONS FOR ROUGH ENVIRONMENTS

VINGTOR offers a comprehensive range of IP intercom solutions for outdoor and Industrial use

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.

1008041100
IP VANDAL RESISTANT SUBSTATION

- Connects directly to the IP network, no geographical limitation
- Dual Ethernet ports for connecting to other IP devices
- 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)
- For indoor use, e.g. elevator.

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

Accessories: 1008098100 Flush Mount Back Box, 10008098000 On Wall Back Box

1028111010
TCIS-1-V TURBINE COMPACT IP SUBSTATION

- 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
- Support wide set of IP and networking standards
- Yellow thermoplastic front plate with one button + M and C
- Buttons with background light

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

Additional Information: IP-66
1008140010 TA-1 Turbine Compact On Wall Box

1008111060
TCIS-6 TURBINE COMPACT IP SUBSTATION

- 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
- 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

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

Additional Information: IP-66
1008140010 TA-1 Turbine Compact On Wall Box

1008122010
TFIE-1 TURBINE FULL-SIZE INDUSTRIAL IP EXTENDED-1

- Fully digital intercom w/Etheret interface
- Full keypad w/«PTT override» and «Cancel»
- Volume control
- Over 95 dB open duplex
- Rugged plastic housing
- -25°C to 60°C (-40°C to 70°C storage
- Conforms to:- EN 60945 – Exposed Equipment

Size (WxHxD): 170 x 340 x 100 mm Weight: 1,9 kg

Additional Information: IP-66

1008122020
TFIE-2 TURBINE FULL-SIZE INDUSTRIAL IP EXTENDED-2

- Fully digital intercom w/Etheret interface
- 6 direct keys w/label
- Optional flip-cover to prevent accidental operation
- Over 95 dB open duplex
- Rugged plastic housing
- -25°C to 60°C (-40°C to 70°C storage
- Conforms to:- EN 60945 – Exposed Equipment

Size (WxHxD): 170 x 340 x 100 mm Weight: 1,9 kg

Additional Information: IP-66

1023533311

EMMAI-1H EXIGO HANDHELD INDUSTRIAL MICROPHONE, 1 BUTTON, IP66

- Handheld microphone for Industrial application
- PTT-key on handset
- Noise-cancelling microphone
- High quality digital background noise reduction*
- HD-voice compatible*
- Designed for EXIGO industrial access-panels & Turbine industrial intercoms

  * When used with Turbine Industrial intercom stations

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

Additional Information: IP-66

1023533512

EMMAI-2H HANDHELD INDUSTRIAL MICROPHONE, COMPACT

- Handheld microphone for Industrial stations
- Curled cord
- PTT key on handset
- Noise cancelling microphone
- High quality digital background noise reduction*
- HD voice compatible*
- Designed for EXIGO Ex access panels & Turbine Industrial intercom stations

Size (WxHxD): 44 x 68 x 21,5 mm Weight: 0.22 kg

Additional Information: IP-66
Wallbracket included

1008140220

TA-22 INDUSTRIAL HEADSET WITH PTT

- Rugged headset for Industrial 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
- Standard 4-pole Nexus connector for easy connection/replacement
- Designed for Turbine Industrial Intercoms

Weight: 0.4 kg

Additional Information: IP-66
1008140225 TA-22b 10m Cable and Plugbox with PTT for Industrial Headset

1008140225

TA-22B 10M CABLE AND PLUGBOX WITH PTT FOR INDUSTRIAL HEADSET

- 10-meter cable
- Compact, rugged plugbox with PTT for Industrial application
- Designed for Turbine Industrial Intercoms

Weight: 0.4 kg

Additional Information: IP-66
For 1008140220 TA-22 Industrial Headset for Turbine - pluggable

1008140230

TA-23 INDUSTRIAL HANDSET + PTT

- Rugged handset for Industrial application
- PTT-key for simplex operation in extremely noisy environments
- Noise-cancelling microphone
- High quality digital background noise reduction*
- HD-voice compatible*
- Designed for Turbine Industrial Intercoms

- *when used with Turbine Industrial intercoms

Size (WxHxD): 50 x 200 x 70 mm Weight: 0.310 kg

Additional Information: IP-66

IP INTERCOM STATIONS FOR EX PROOF ENVIRONMENTS

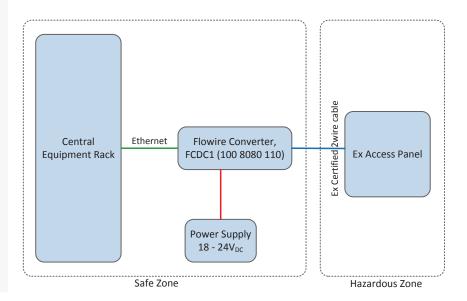VINGTOR offers a comprehensive range of IP intercom solutions for Ex proof environment

IP intercom Ex stations offer numerous advantages over their analog counterparts, such as minimal installation requirements, and remote software upgrades

The IP Ex intercom stations use Zenitel Flowire technology

CONNECTION TO CENTRAL EQUIPMENT

The Ex Products are connected to the central equipment rack using Ex certified 2-wire cables. A Zenitel proprietary protocol, 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 a Flowire Converter (FCDC1).

1008123030

TFIX-3 CALL-BUTTON + M + C

- Fully digital intercom w/2-wire interface
- 1 large programmable call key
- Keys for «PTT override» and «Cancel»
- Over 90 dB open duplex
- Rugged plastic housing
- -25°C to 60°C (-40°C to 70°C storage)

  Conforms to:
- - EX II 2G EEx ib mb e IIC T4
- - EN 60945 – Exposed Equipment

Size (WxHxD): 170 x 340 x 100 mm Weight: 1,9 kg

Additional Information: IP-66

1008123010

TFIX-1 FULL KEYPAD WITH 4 PROGRAMMABLE KEYS

- Fully digital intercom w/2-wire interface
- Full keypad w/«PTT override» and «Cancel»
- Volume control
- Over 90 dB open duplex
- Rugged plastic housing
- -25°C to 60°C (-40°C to 70°C storage

  Conforms to:
- - EX II 2G EEx ib mb e IIC T4
- - EN 60945 – Exposed Equipment

Size (WxHxD): 170 x 340 x 100 mm Weight: 1,9 kg

Additional Information: IP-66

1008123020

TFIX-2 6 LABELLED PROGRAMMABLE KEYS

- Fully digital intercom w/2-wire interface
- 6 direct keys w/label
- Optional flip-cover to prevent accidental operation
- Over 90 dB open duplex
- Rugged plastic housing
- -25°C to 60°C (-40°C to 70°C storage

  Conforms to:
- - EX II 2G EEx ib mb e IIC T4
- - EN 60945 – Exposed Equipment

Size (WxHxD): 170 x 340 x 100 mm Weight: 1,9 kg

Additional Information: IP-66

ACCESSORIES FOR EX APPROVED MASTER STATIONS

1023533511

EMMAX-1H HANDHELD MICROPHONE WITH PTT FOR EX APPLICATIONS

- Handheld microphone for Ex applications
- Curled cord
- PTT key on handset
- Noise cancelling microphone
- High quality digital background noise reduction*
- HD voice compatible*
- Designed for EXIGO Ex access panels & Turbine Ex explosion-proof intercom stations

Size (WxHxD): 44 x 68 x 21,5 mm Weight: 0.22 kg

Additional Information: IP-66
Wallbracket included

AK5850HS

A-KABEL TWINCOM HEADBAND HEADSETH ATEX

- 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

- *when used with Turbine Industrial intercom stations

Weight: 0.4 kg

Additional Information: IP-66
1008150025 TAX-2b 10m Cable and Plugbox with PTT for AK5850HS

1008140225

TAX-2B EX-APPROVED CABLE FOR HEADSET WITH PTT

- 10m cable for EX-areas
- Compact, rugged plugbox with PTT for Industrial application
- For use with 1008150020, "EX-approved Headset, plugable"
- Designed for Exigo & Turbine EX explosion-proof intercoms

Weight: 0.4 kg

Additional Information: IP-66
For AKH580S Twincom headband headsaet ATEX

1008140230

TAX-3 EX-APPROVED HANDSET W/ PTT, UNTERMINATED

- Rugged handset for EX application
- PTT-key for simplex operation in extremely noisy environments
- Noise-cancelling microphone
- High quality digital background noise reduction*
- HD-voice compatible*
- Designed for Exigo & Turbine EX explosion-proof intercoms

- *when used with Turbine Industrial Ex intercoms

Size (WxHxD): 50 x 200 x 70 mm Weight: 0.310 kg

Additional Information: IP-66
Wallbracket included

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 products)
- Power 24 VDC
- Important note! Several clusters can not share same cable or junction boxes.

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

Additional Information: Protection IP-20
2990102120   Flowire EX 120 Powerbox PSU, 24V DC, 120W
2990102240   Flowire EX 250 Powerbox PSU, 24V DC, 250W

SIP TELEPHONES

A selection of SIP telephone and SIP conference telephones.

Each telephone require a SIP station license

See chapter ACM application software & licenses

GRANDSTREAM GXP1450 - SIP TELEPHONE

- 180x60 pixel backlit graphical LCD display with up to 4 level grayscale
- 2 dual-color line keys (with 2 SIP accounts), 3-way conference, and up to 2 call appearances
- 3 XML programmable context-sensitive soft keys, a desktop stand to allow 2-angle positions
- HD wideband audio, superb full-duplex hands-free speakerphone with advanced acoustic echo cancellation and excellent double-talk performance
- Large phonebook (up to 2,000 contacts) and call history (up to 2,000 records)
- Automated personal information service
- Dual switched auto-sensing 10/100Mbps network ports with integrated PoE

Size (WxHxD): 186 x 210 x 81 mm Weight: 0,8 kg

Additional Information: I

3007410050

IP 6000 SIP CONFERENCE TELEPHONE

- HD Voice –unparalleled clarity to make your conference calls more efficient and productive
- Clarity Technology –Deliver the best conference phone experience with no compromises
- 12-foot microphone pickup
- Industry-leading SIP software – leveraging the most advanced SIP endpoint software in the industry, with advanced call handing, security, and provisioning features
- Robust inter operability – compatible with a broad array of SIP call platforms to maximize voice quality and feature availability while simplifying management and administration
- High-resolution display – enables robust call information and multi-language support

Size (WxHxD): 368 x 311 x 64 mm Weight: 0,8 kg

Additional Information: I

3007410051

IP 7000 SIP CONFERENCE TELEPHONE - HD QUALITY

- HD Voice –unparalleled clarity to make your conference calls more efficient and productive
- Clarity Technology –Deliver the best conference phone experience with no compromises
- Flexible configuration options— multi-unit connectivity, expansion microphones and integration with Polycom HDX room telepresence solutions to meet the needs of many different types of rooms
- Strong, robust SIP software— leverages the most advanced SIP endpoint software in the industry, with advanced call handing, security, and provisioning features
- Robust interoperability— compatible with a broad array of SIP call platforms to maximize voice quality and feature availability while simplifying management and administration
- Large high-resolution display

Size (WxHxD): 394 x 372 x 73 mm Weight: 1, 08 kg

Additional Information:

ACCESSORIES FOR STATIONS

PT-625A-4-50 JACK SURFACE RJ11

- Wall mounted socket for analog telephones

Size (WxHxD): 55 x 20 x 68 mm Weight: 0.05 kg

Additional Information: For DT-800M

SB01 SOCKETBOX WP FOR P-290

- For shore line connection
- Box in fiber glass reinforced polyester

Size (WxHxD): 75 x 80 x 56 mm Weight: 0.4 kg

Additional Information: IP-65

DESK STATION ACCESSORY KIT

- Cable
- Plugbox
- Wall bracket

Weight: 0.28 kg

Additional Information: Kit for VMP-D619B and VMP-619 1008001000 IP Desk station, use wall bracket only 1008091100

64P3004 PLUG C16-1 4-PIN MALE

- For telephone connected to SB01= shore line connection
- Plug in polyamid material with PG-13.5 cable inlet

Size (WxHxD): 120 x 122 x 5 mm Weight: 0.4 kg

Additional Information: IP-66

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

- Separate relay unit for operation of 24 VDC or 220 AC visible and/or audible signal units.
- Wall mounting

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

Additional Information: IP-66

CRB-7 RELAY BOX - 24VDC, 110/220VAC - SIGNAL UNIT, WT

- Unit designed for activation of extra signal device connected to telephone in noisy area
- Activated by ringing voltage

Size (WxHxD): 120 x 122 x 5 mm Weight: 0.4 kg

Additional Information: IP-66
For analog stations only

HB-105 TELEPHONE TONE CALLER 60-100V AC, 105 DBA, WT

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

Size (WxHxD): 86 x 86 x 50 mm Weight: 0.2 kg

Additional Information: For all analog telephones

IRR-4 RELAY BOX FOR CLOSING CONTACT INPUT 24VDC & 115/230VAC

- Use a potential free contact to switch an external voltage supply to an external unit
- Support input:
  24Vdc, 110-115Vac and 220-240Vac
- Support output:
  24 Vdc max 6A, 110-115Vac or 220-240Vac max 2A

Size (WxHxD): 122 x 120 x 55 mm Weight: 0.4 kg

Additional Information: IP-66

P-MT7 HEADSET W/BOOM MIC, 10M CORD W/4-P PLUG (FOR HSB-03)

- Headset for Analog Telephone and Talk-Back systems
- To be used in noisy areas
- Includes headset holder

Weight: 1.2 kg

Additional Information: IP-54

HAS-3 HANDSET FOR HSB-03 W/ C16 PLUG

- Handset with cradle and push button switch
- Designed for use together with HSB03

Size (WxHxD): 120 x 122 x 5 mm Weight: 0.4 kg

Additional Information: IP-44
WT version: 3005000023 HAS-3WT IP-66

1020600750

VMP-36-PEL HEADSET WITH BOOM MIC. WITH 10 METER CABLE

- 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

Weight: 1.1 kg

Additional Information: IP-54

3006202029

VMP-36-PELP PORTABLE HEADSET WITH BOOM MIC. AND 10 METER CABLE AND PLUG

- 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

Weight: 1.1 kg

Additional Information: IP-54

3006202007

CD-7-VMP PLUGBOX WT

- 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 63 mm   Weight: 0.4 kg

Additional Information: IP-66

3006090486

MT9 THROAT MICROPHONE FOR VMP-36-PEL/PELP

- Bone construction, vibration sensitive
- Impedance: 3900 Ohm @ 1kHz
- Cable: PUR, flame retardant, black ø3.0mm

Weight: 0.04 kg

3006202024

VMP-211 WALL MOUNTED 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): 80 x 250 x 155 mm Weight: 0.9 kg

Additional Information: IP-44

1020600700

VMP-250 WALL MOUNTED HANDSET WT

- 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 153 mm Weight: 0.9 kg

Additional Information: IP-65

1020159000

CD-4 PLUG-BOX WT

- For portable unit VMP-503PA / VMP-503PA/15
- Wall mounting

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

Additional Information: IP-66

3006202023

VMP-204 POWER AMPLIFIER 220VAC/12W IN 20 OHM

- Slave amplifier for VMP stations
- When extra loudspeakers is required in noisy areas
- Output, low impedance 8 - 20 ohm
- To be mounted close to the station.

Size (WxHxD): 120 x 220 x 91 mm Weight: 1.2 kg

Additional Information: IP-66

3006100088

VML-1520 HORN LOUDSPEAKER 15W/20 OHM WT

- General purpose 15 Watt 20 ohm horn loudspeaker
- For use in deck areas, engine room etc.
- To be used together with ACM or talk-back stations

Size (WxHxD): 250 x 145 x 270 mm Weight: kg

Additional Information: IP-66
Optional junction box JB-15T, see chapter "Loudspeakers"

2340020010

DSP-15EEXMN W/ SST BRACKET EX SPEAKER 20 OHM 15W W/ 2X GLANDS ATEX IP67

- Material / Color Anti-static PA / Black
- Mounting Bracket
- Effective freq. range 410 – 7000 Hz
- For Zone 1

Size (WxHxD): 106 x 144 x 207 mm Weight: 2.2 kg

Additional Information: IP-67 Atex approved

3005000029

MODEL-A TELEPHONE BOOTH DESK/ WALL ALUMINIUM WITH FULL SHELF

- Sound absorbent wall mounting / table top
- Full shelf (250 mm)
- Lightweight

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

1008140010

TA-1 TURBINE COMPACT ON WALL BOX

- For on-wall mounting of all Turbine Compact Stations

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

Related items: All Turbine Compact Stations

3006204179

RJ45 INDUSTRIAL 10G PLUG

- RJI 10G RJ45 plug Cat6, 8p IDC
- 1/10GBit Ethernet
- Male plug
- Cable diameter 4.5 - 9.0 mm

Size LxD): 57 x 16mm Weight: 0.009kg

Related items: For Turbine compact stations
IP-20

MANUALS

VINGTOR

EXCHANGELESS IP INTERCOM

The system is easy to install as it requires no central exchange.
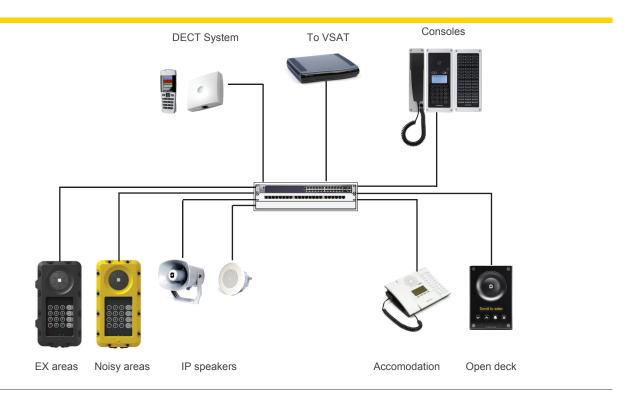
Reduce installation time and cost

VINGTOR Pulse provides a smart and simple interface that reduces installation time and cost. To install Pulse, one station is selected as the primary station or system master. This master station provides SIP server functions to the other stations in the system and optionally any third party IP telephones and gateways. Depending on the number of stations in the system, basic installation can be completed in less than 10 minutes.

No central server is required

After the management software is activated for the chosen master station, all that is required is the configuration of directory numbers of the other stations. Since the system does not require a central server, connection of the IP stations to the network is all that is needed for system setup.
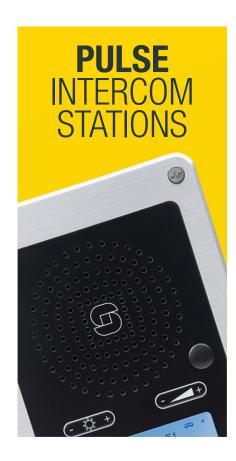
FEATURES

- IP based Marine intercom system for up to 16 users with no license needed (VINGTOR IP station)
- Posible to add in addition, license for 10
- Supports external communication (GSM, Analog gateway)
- SIP users (DECT, Telephone, Gateways)
- System supports Power over Ethernet
- Superb audio quality – high bandwidth codec, active noise cancellation, acoustic echo cancellation
- Remote control of external audible or visible signal devices
- Easy to install

DECT System   To VSAT   Consoles

EX areas   Noisy areas   IP speakers   Accomodation   Open deck

VINGTOR

PULSE INTERCOM STATIONS

1008001000

IP DESKTOP MASTER, DISPLAY AND HANDSET

- Compatible with STENTOFON AlphaCom, STENTOFON Pulse and iPBXs (SIP)
- Large high contrast display with backlight for excellent readability
- Four dynamic navigation keys for quick access to system menus and directory entries.
- Ten DAK keys provide single-touch access to stations, group calls, audio monitoring, public address zones, radio channels and telephone lines
- Remote software upgrade, configuration and monitoring
- Integrated data switch with advanced networking and security functions
- Powered from the IP network cable using Power over Ethernet (PoE)
- Superb audio quality – high bandwidth codec, active noise cancellation, acoustic echo cancellation and high output power amplifier

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

Additional Information: Wall Mounting Bracket for IP Desktop Station

1008000000

IP DESKTOP MASTER, DISPLAY

- Compatible with STENTOFON AlphaCom, STENTOFON Pulse and iPBXs (SIP)
- Large high contrast display with backlight for excellent readability
- Four dynamic navigation keys for quick access to system menus and directory entries.
- Ten DAK keys provide single-touch access to stations, group calls, audio monitoring, public address zones, radio channels and telephone lines
- Remote software upgrade, configuration and monitoring
- Integrated data switch with advanced networking and security functions
- Powered from the IP network cable using Power over Ethernet (PoE)
- Superb audio quality – high bandwidth codec, active noise cancellation, acoustic echo cancellation and high output power amplifier

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

Additional Information: Wall Mounting Bracket for IP Desktop Station

1008031000

IP FLUSH MASTER, 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

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

Accessories: 1008097500 Gooseneck Microphone, 1008097100 Handset, 1008098700 Flush Mount Back Box

1028111010

TCIS-1-V TURBINE COMPACT IP SUBSTATION - 1 CALL BUTTON

- Designed according to Disability Act requirements
- VINGTOR Audio Presence - crystal clear audio
- Amazing sound pressure levels when needed with automatic volume adjustment
- Background noise cancellation
- Dirt, dust and water resistant - rating IP-66
- Built to last with robust die-cast aluminum frame - rating IK 08
- Supports wide set of IP and networking standards
- Yellow thermoplastic front plate with one button plus M and C
- Ideal for Industrial Applications

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

Additional Information: IP-66
1008140010 TA-1 Turbine Compact On Wall Box

1008111060

TCIS-6 TURBINE COMPACT IP SUBSTATION

- 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
- 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

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

Additional Information: IP-66
1008140010 TA-1 Turbine Compact On Wall Box

1008122010

TFIE-1 TURBINE FULL-SIZE INDUSTRIAL IP EXTENDED-1

- Fully digital intercom w/Etheret interface
- Full keypad w/«PTT override» and «Cancel»
- Volume control
- Over 95 dB open duplex
- Rugged plastic housing
- -25°C to 60°C (-40°C to 70°C storage
- Conforms to:- EN 60945 – Exposed Equipment

Size (WxHxD): 170 x 340 x 100 mm Weight: 1,9 kg

Additional Information: IP-66

1008122020

TFIE-2 TURBINE FULL-SIZE INDUSTRIAL IP EXTENDED-2

- Fully digital intercom w/Etheret interface
- 6 direct keys w/label
- Optional flip-cover to prevent accidental operation
- Over 95 dB open duplex
- Rugged plastic housing
- -25°C to 60°C (-40°C to 70°C storage
- Conforms to:- EN 60945 – Exposed Equipment

Size (WxHxD): 170 x 340 x 100 mm Weight: 1,9 kg

Additional Information: IP-66

1008041100

IP VANDAL RESISTANT SUBSTATION

- Compatible with STENTOFON AlphaCom, STENTOFON Pulse and iPBXs (SIP)
- Designed to deliver CCoIP® - Critical Communication over IP
- Vandal and water resistant
- Designed in stainless steel (A304) to withstand corrosion
- Remote software upgrade, configuration and monitoring
- Integrated data switch with advanced networking and security functions
- Relay output for remote control, e.g. doors, signal lamps and gates
- Powered from the IP network cable using Power over Ethernet (PoE)
- Superb audio quality – high bandwidth codec, active noise cancellation, acoustic echo cancellation and high output power amplifier

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

Vandal resistant IP Substation, Flush mount back box, On wall mount back box

1023300010

ELSIR-10C NETWORK CEILING LOUDSPEAKER, 10W ETHERNET

- Audio Presence - crystal clear audio
- 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 (Ø x D): 237 x 133 mm Weight: 1.4 kg

1023301310

ELSII-10H NETWORK HORN LOUDSPEAKER, 10W, ETHERNET

- Audio Presence - crystal clear audio
- 10W Class D, built-in amplifier
- Dust and water tight
- > 110 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): 144x186x207 mm Weight: 1.8 kg

Additional Information: IP-67

2211010200

KWS400 IP DECT SERVER & BASE (STAND ALONE) POE

- Integrated part in VINGTOR ACM solution
- Stand alone with 1 base station and up to 3 repeaters
- Up to 3 base stations can be connected (require additional license)
- Up to 12 handset
- Base station radio coverage
  - Indoor - max 50m
  - Outdoor – max 150m
- DECT repeaters can be added to extend radio coverage
- Robustness even in hostile radio environments - using Dynamic Channel Selection and Allocation
- Encrypted radio communication
- Cost efficient implementations of system components
- Special purpose handset for marine usage – office, rough and EX

Size Base 300 (WxHxD): 100 x 100 x 38 mm Weight: 0.12 kg

Additional Information: Kit with 1 handset 2211010210

2211100505

DECT HANDSET ROUGH INCLUDING BELT CLIP - V3

- Water and dust resistant according to IP-65
- Large and clear 1,8" colour display
- Built-in vibrator for noisy environments or discretion is reqired
- High battery capacity – Li-ion battery
- 2.5mm jack for headset
- Loudspeaking and handsfree function
- Battery and belt clip included
- Personalized softkey
- 10 last alarms are stored in the handset, up to 32 characters in each message

Size (WxHxD): 53 x 152 x 27 mm Weight: 0.138 kg

Additional Information: IP-65

2211050130

REPEATER PROGRAMMING KIT

- Requires Windows application and RS232

Weight: 0.12 kg

Additional Information: For 2211050100 and 2211050101

2211050101

DECT REPEATER 4 CHANNEL MULTI-CELL

- Up to 150 m coverage outdoors
- Possibility for 4 simultaneous calls
- External power supply required: 2241100558

Size (WxHxD): 100 x 100 x 38 mm Weight: 0.12 kg

Additional Information: Require 2211050130 for programming

2211100560

CHARGER KIT FOR DECT ROUGH HANDSET V3 100-230VAC

- Stable and suitable charger for marine environments
- Charger and power supply – EU socket
- 350mA output 6 Vdc

Size: (H x W x D) 83 x 77 x 60 mm Weight: 0.5 kg

Additional Information: IP-22

2241100558

POWER SUPPLY FOR BASE REPEATER WALL 110 - 230VAC

- Power for repeater 300 and 6000 system

1009643111

SIP STATION LICENSE

- Extend STENTOFON Pulse with
  - IP telephones
  - IP DECT
  - PC & mobile clients
- Easy to configure and setup

Size (WxHxD): N/A   Weight: N/A

Accessories: Up to 10 additional SIP station license

1009643121

SIP TRUNKING LICENSE

- Connect STENTOFON Pulse to
  - Public telephone networks
  - PBXs
  - Mobile telephone network
- Easy to configure and setup

Size (WxHxD): N/A Weight: N/A

PULSE ACCESSORIES

See catalog "Local Area Network" for suitable switches

3006204094

MP-114 ANALOG MEDIA GATEWAY - FXO 4-PORT - 100-240VAC - LICENSE

- Connects ACM system to the public telephone network
- Supports 4 analog telephone lines
- Web management for easy configuration and installation

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

Additional Information: Include Patch UTP CAT5E cable and assembly

3006204099

MP-118 ANALOG MEDIA GATEWAY - FXO 8-PORT - 100-240VAC - LICENSE

- Connects ACM system to the public telephone network
- Supports 8 analog telephone lines
- Web management for easy configuration and installation

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

Additional Information: Include Patch UTP CAT5E cable and assembly

2200003000

MV370 GSM MEDIA GATEWAY - QUAD BAND (800/900/1800/1900 MHZ)

- Connects the exchange to GSM for external calls
- GSM coverage using quad band GSM (800/900/1800/1900 MHz)
- Web interface for configuration
- 12 VDC (230 VAC using power adaptor)

Size (WxHxD): 145 x 173 x 45 mm Weight: 1,2 kg

Additional Information: Need SIP trunking license
Ca not be used in conbination with billing v.1.2

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

1008097100

HANDSET FOR IP FLUSH MASTER

- Handset module for IP Flush Master

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

Additional Information: For 1008031000 IP Flush master

1008097500

GOOSENECK MICROPHONE

- Noise cancelling gooseneck microphone for IP Flush Master
- Ideal for public address applications and control center

Size (length): 300 mm Weight: 0.09 kg

Additional Information: For 1008031000 IP Flush master

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

Additional Information: For 1008031000 IP Flush master

1008098000

ON WALL BACK BOX

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

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

Additional Information: For 1008041100 IP Vandal Resistant S

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

Additional Information: For Turbine Compact Station

3006204179

RJ45 INDUSTRIAL 10G PLUG

- RJI 10G RJ45 plug Cat6, 8p IDC
- 1/10GBit Ethernet
- Male plug
- Cable diameter 4.5 - 9.0 mm

Size LxD): 57 x 16mm Weight: 0.009kg

Related items: For Turbine compact stations IP-20

1020600993

IRR-4 RELAY BOX FOR CLOSING CONTACT INPUT 24VDC & 115/230VAC

- Use a potential free contact to switch an external voltage supply to an external unit
- Support input:
  24Vdc, 110-115Vac and 220-240Vac
- Support output:
  24 Vdc max 6A, 110-115Vac or 220-240Vac max 2A

Size (WxHxD): 122 x 120 x 55 mm Weight: 0.4 kg

Additional Information: IP-66

www.vingtor.com

VINGTOR PRODUCT CATALOGS