

## ACM

### STANDARD INTEGRATED SYSTEM

#### FEATURES

- **Made for marine environment**
- **VINGTOR-STENTOFON integrated PA and GA solution**
- **Wide range of audio terminals and signal units**
- **External communication**
- **Supports VINGTOR-STENTOFON billing system**
- **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 PABX and emergency communication**

#### DESCRIPTION

The ACM Standard Integrated System is specially designed for use onboard ships. The system is based on the AlphaCom E platform featuring the latest development such as IP telephony, Web management and IP switching.

The ACM Standard Integrated System supports the VINGTOR-STENTOFON integrated PA and GA solution. Together with the SPA, the system are 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 talkback units.

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

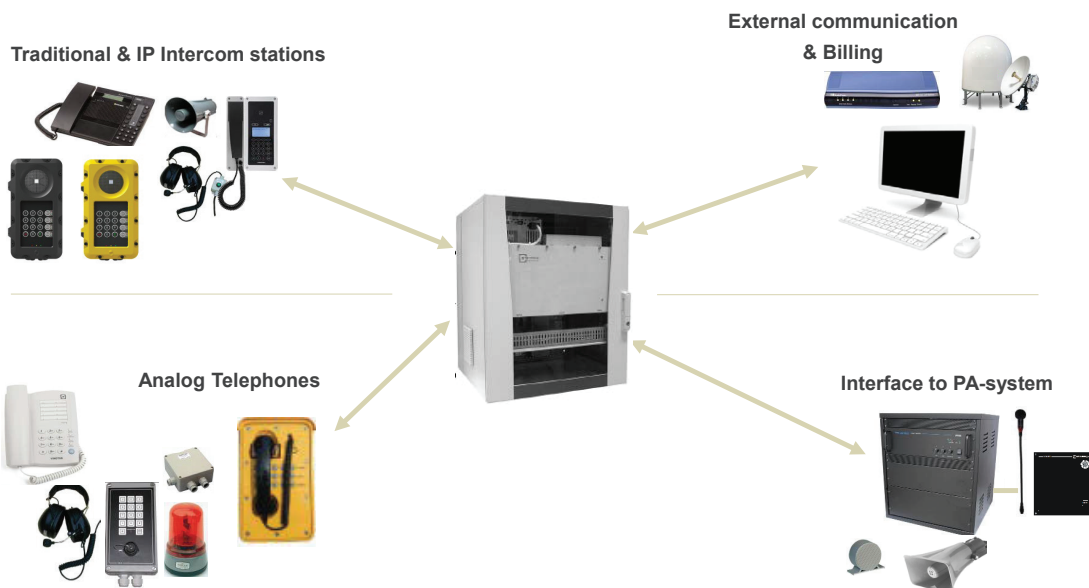
The DECT telephones, IP telephones and intercom terminals have all access to the same set of ACM features. Users will be able to enjoy the benefits of one user experience and seamless mobility as they will always be contactable regardless of where they are on the ship.



TYPE APPROVED:

THE SYSTEM IS TESTED ACCORDING TO EN 60945, AND IS TYPE APPROVED BY DNV-GL, CCS, RMRS, ABS, RINA, PRS AND CRS





## SPECIFICATIONS

|                       |  |                         |   |
|-----------------------|--|-------------------------|---|
| Capacity ACM-M-D      | Prewired for 6 subscriber line boards<br>Max 36 traditional intercom<br>Max 72 analogue telephone<br>Max 552 subscriber extensions   | Capacity ACM-M-144 V10  | Prewired for 17 subscriber line boards<br>Max 102 traditional intercom<br>Max 204 analogue telephone<br>Max 552 subscriber extensions |
| Capacity ACM-M-48 V10 | Prewired for 11 subscriber line boards<br>Max 66 traditional intercom<br>Max 132 analogue telephone<br>Max 552 subscriber extensions | Capacity AACM-M-144 V10 | Prewired for 23 subscriber line boards<br>Max 138 traditional intercom<br>Max 204 analogue telephone<br>Max 552 subscriber extensions |

## SYSTEM UNITS ACM STANDARD

| ORDER NUMBER                              | DESCRIPTION   | ORDER NUMBER                | DESCRIPTION   |
|---|---|-----------------------------|---|
| <b>Central units</b>                      |   | 1008111010                  | TCIS-1-Turbine Compact IP Standard-1                                |
| 1150100002                                | ACM-M-D System Rack, IP-22                                      | 1008111060                  | TCIS-6 Turbine Compact IP Substation                                |
| 1150100010                                | ACM-48- V10 System Rack   | 1008122010                  | TFIE-1 Turbine Full-Size Industrial IP Extended-1                   |
| 1150100012                                | ACM-144- v10 System Rack, IP-22                                 | 1008122020                  | TFIE-2 Turbine Full-Size Industrial IP Extended-2                   |
| 1150100014                                | AACM-144- V10 System Rack, IP-22                                | 1008123010                  | TFIX-1 Turbine Full-size EX Intercom Station-1                      |
| 3006204094                                | Audiocodes MP-114 Gateway FXO 4-Ports, Euro Power Cords         | 1008123020                  | TFIX-2 Turbine Full-Size EX Intercom Station-2                      |
| 3006204099                                | Audiocodes MP-118 Gateway FXO 8-Ports, Euro Power Cords         | 1008123030                  | TFIX-3 Turbine Full-Size EX Intercom Station-3                      |
| 2200003000                                | GSM media gateway   | 1008123010                  | TFIX-4 Turbine Full-Size EX Intercom Station-4                      |
| 3006204005                                | 92580 GSM Multi Band Antenna with 10m Cable                     | AK5850HS                    | A-Kabel TwinCom Headband Headset ATEX                               |
| 3006204006                                | 92580 GSM Multi Band Antenna with 20m Cable                     | 1023533312                  | EMMAL-2H Handheld Industrial Microphone, Compact                    |
| <b>System management &amp; Networking</b> |   | 1008140225                  | TA-22b 10m Cable and Plugbox with PTT for Industrial Headset        |
| 1009291120                                | Alhappro professional for USB                                   | 1008140230                  | TA-23 Industrial Headset + PTT                                      |
| 1009647902                                | VINGTOR Billing – 2 external trunks                             | 1023533511                  | EMMAX-1H Handheld Microphone with PTT for Ex Applications           |
| 1009647904                                | VINGTOR Billing – 4 external trunks                             | 1008150025                  | TAX-2b EX-approved Cable for headset with PTT                       |
| 1009647908                                | VINGTOR Billing – 8 external trunks                             | 1008150030                  | TAX-3 EX-approved Handset w/PTT, unterminated                       |
| 1009647916                                | VINGTOR Billing – 16 external trunks                            | <b>Traditional intercom</b> |   |
| 1009647932                                | VINGTOR Billing – 32 external trunks                            | 1007072090                  | VMP-D619B Low/Loudsp. w/Display/Vol.Override and D-10 Keys, Black   |
| 1009640202                                | IP Multi-module License - 2 Modules                             | 1007034210                  | VMP-619 Main Station Low/Loudspeaking and D-10 Keys, Ivory          |
| 2220050012                                | INJKIT-PSU 8 port switch w/6 ports PoE injector w/power supply  | 1020600305                  | VMP-530 Main Station, Wall Mounted w/o Loudspeaker 26033, IP-65     |
| 2220050013                                | INJKIT-NOP 8 port switch w/6 ports PoE injector w/power supply  | 3006202035                  | VMP-530VHM Main Station w/Handmic., IP-66                           |
| 1154003100                                | 4 Port Poe Switch And 1 Regular Ethernet Port w/ Power Supply   | 1020600315                  | VMP-503 Main Station, Wall Mounted with Loudspeaker, 26034, IP65    |
| 1008080110                                | FCDC1 Flowire Ethernet Converter, DC voltage                    | 3006202031                  | VMP-503PA Main Station, Portable w/5m Cable with 4-PIN Plug, IP-65  |
| 1154002100                                | Data Switch - 5 X Ports Ethernet Switch Econ 2050 - Din Mounted | 1008114010                  | TCAS-1 Turbine Compact  |
| <b>IP Intercom</b>                        |   | 1020159000                  | CD-4 Plug Box 4-PIN, IP-66  |
| 1008010000                                | IP CRM V Master   | 1020600750                  | VMP-36-PEL Headset w/ Mic, on/off Switch, 10m Cable w/o Plug, IP-54 |
| 1008010000                                | IP Flush Master, Display  | 3006202029                  | VMP-36-PELP Portable Headset w/Mic, on/off, 10m Cable w/7-p, IP-54  |
| 1008031000                                | Handset for IP Flush Master                                     | 3006090486                  | MT9 Throat Mic. MT9 for VSP-36-PEL/PELP, P-MT7, VMP-36-PEL/PELP     |
| 1008097100                                | IP CRM DAK Module   | 3006202007                  | CD-7-VMP Plugbox WT-IP-66 with Switch, IP-66                        |
| 1008001000                                | IP Desk Master Station W/Display & Handset                      | 1007034210                  | VMP-619 Desk Master Station Desk or Wall w/ Handset and D-10 keys   |
| 1008041100                                | IP Vandal Resistant Substation                                  | 1007072090                  | VMP-D619B Desk/Wall Master Station with Handset and Display         |
|   |   | 3006202024                  | VMP-211 Handset for Industrial Stations Wall Mounted, IP-44         |
|   |   | 1020600700                  | VMP-250 Handset for Industrial Stations Wall Mounted - IP-66        |
|   |   | 3006202023                  | VMP-204 Amplifier f/PAMEX/VMP Ver.01, IP-65                         |