ACM
ADVANCED INTEGRATED SYSTEM

VINGTOR

when**communication**is**critical**

FEATURES

- Made for marine environment
- New modular building practice
- Advanced integration options
- Data network infrastructure
- Advanced cabling solution
- VINGTOR integrated PA and GA solution
- 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 switchover
- Support VINGTOR billing system

DESCRIPTION

Using VINGTOR ACM Advanced Integrated IP System as the backbone, Zenitel Marine 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 achieved.

The VINGTOR ACM Advanced Integrated System includes all functions and capabilities as the ACM Standard Integrated System as well as a wide range of other function and capabilities options.

The VINGTOR ACM Advanced Integrated System utilizes a new modular building practise. This new modular building practice allows customers to select from a wide set of function modules to provide function and capacity according to specific need.

The function modules are integrated and assembled into 19" data racks made for marine environments. By this modular building practice the system can be extended to provide audio and data communication from 30 to over 1'000 users.

The VINGTOR ACM Advanced Integrated System provides a type approved structured cabling system (CAT7) as the backbone. With its advanced wiring and patch solution the system supports - all in one cable. This means a significant reduction in cabling infrastructure where a single CAT7 cable can provide telephone (analogue or IP), general alarm, public address, internet access and IP TV to a cabin.

CCTV / IPCCTV · IP Dect · Data network & cabling · External communication & Billing · Intercom stations · Remote Management · Standard Telephones · Master Clock · IP Telephony · Public Address & General Alarm · IP TV

SPECIFICATIONS

Dimensions CAB 1 (HxWxD)	2100 x 800 x 600 mm
Dimensions CAB 2 (HxWxD).	2100 x 600 x 600 mm
Weight	Depends on equipment included
Mounting	19" rack
Temperature	0 to +55⁰C environment
Humidity range	10% to 90% RH
Connections	Depending on exchange size
Serial port	1 x RS232
Serial port	1 x RS232/422/485
Ethernet	2 x 10/100 Mbps, RJ-45
Ext. teleph. trunks Capacity Signalling	Max. 30 trunk channels ISDN and QSIG PRI, ISDN BRI, Analogue FXO, SIP (VoIP)
PA and General Alarm	6 zones PA or 6 zones PA/GA with A and B loop

Data networking	Managed layer two IP switching Virtual LAN support 24 or 48 ports per switch Up to 3 IP switches per rack
Supply voltage	230V AC main / 230V AC emergency
Remote system management	AlphaWeb

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SYSTEM UNITS

ORDER NUMBER	DESCRIPTION
System racks	
3006204022	ACM-CAB42-600 Empty 19" cabinet 42HU - HWD 2100x600x600 w/ ventilation fan and bracket
3006204023	ACM-CAB42-800 Empty 19" cabinet 42HU - HWD 2100x800x600 w/ ventilation fan and bracket
ACM Intercom modules	
1159607200	ACM-E7 Module
1159620200	ACM-E20 Module
1159626200	ACM-E26 Module
External Communication	
3006204094	MP-114 Analogue Media Gateway - 4FXO
3006204099	MP-118 Analogue Media Gateway - 8FXO
2200003000	GSM Media Gateway
3006204005	92580 GSM Multi Band Antenna with 10m Cable
	92580 GSM Multi Band Antenna with 20m Cable
System management	
1009291120	Alphapro professional for USB
1009647902	VINGTOR Billing – 2 external trunks
1009647904	VINGTOR Billing – 4 external trunks
1009647908	VINGTOR Billing – 8 external trunks
1009647916	VINGTOR Billing – 16 external trunks
1009647932	VINGTOR Billing – 32 external trunks
Dataswitch modules	
3006210005	MRX-SWITCH Data Switch – 4 ports
3006210001	92745 4 Port PoE Switch and 1 Regular Ethernet Port w/Power Supply
3006204027	ACM-DS24V01 Data Switch 24 Ports TJ45 Allied TELESIS AT-8000S/24
3006204028	ACM-DS48 Data Switch 48 Ports RJ45 Allied TELESIS AT-8000S/48
3006204025	ACM-DS24/POE "POE Data Switch 19"/24Port" SRW224G4P/15W-220V AC, 632W
3006210001	92745 4 Port PoE Switch and 1 Regular Ethernet Port w/Power Supply
3006204075	ACM-PP48 Patch Panel RJ45 Sohome 48 Patches
3006204073	ACM-PC-7 CAT 7 GG45 Screened Snap-in Conn. for 2220040001
Public Adress and General alarm Modules	
1152100001	Conventional PA Control Unit
1152100002	PA and GA Redundant Control Unit
1152100003	PA and GA Redundant Control Unit (DNV)
1152100004	Loudhailing Logic with Interface to ACM Module
1152000001	19" Power Amplifier 120W/100V - 220V AC/24V DC - 3HU +1HU vent
1152000002	19" Power Amplifier 240W/100V - 220V AC/24V DC - 3HU+1HU vent
1152000003	19" Power Amplifier 400W/100V - 220V AC/24V DC - 3HU+1HU vent

ORDER NUMBER	DESCRIPTION
ACM Stations IP Intercom	
1008010000	IP CRM V Master
1008010000	IP Flush Master, Display
1008031000	Handset for IP Flush Master
1008097100	IP CRM DAK Module
Traditional intercom	
1020603700	VMP-430 Main Station, Console 20196, IP-44
3006202025	VMP-221 Handset, Panel Mounted, IP-44
Watertight	
1020600305	VMP-530 Main Station, Wall Mounted w/o Loudspeaker 26033 IP-65
3006202035	VMP-530VHM Main Station w/Handmic.
1020600315	VMP-503 Main Station w/Built-in 50 ohm L/S WT - IP-65
3006202031	VMP-503PA Main Station, Portable ACM W/5M Cable with 4-PIN Plug
1020159000	CD-4 Plug Box 4- PIN IP-66
Additional equipment for above	
1020600750	VMP-36-PEL Headset with Boom Mic, on/off Switch Box, 10m Cable w/o Plug, IP-54
3006202029	VMP-36-PELP Portable Headset with Boom Mic, on/off Box, 10m Cable w/7-p, IP-54
3006090486	MT9 Throat Mic. MT9 for VSP-36-PEL/PELP, P-MT7, VMP-36-PEL/PELP
1020600988	CD-7-VMP Plugbox WT - IP-66
Indoor wall/desk mounted	
1007034210	VMP-619 Desk Master Station Desk or Wall w/ Handset and D-10 Dialer
1007034310	VMP-D619 Desk/Wall Master Station With Handset and Display
Additional equipment for above	
3006090304	64P0006 Complette R&M Screw Teleph. Plug 1x8 PIN Flush RJ45
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

See product catalogue for other system items