

ACM

ADVANCED INTEGRATED SYSTEM



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.



SPECIFICATIONS

Dimensions CAB 1 (HxWxD)	2100 x 800 x 600 mm	Data networking	Managed layer two IP switching Virtual LAN support 24 or 48 ports per switch Up to 3 IP switches per rack
Dimensions CAB 2 (HxWxD)	2100 x 600 x 600 mm	Supply voltage	230V AC main / 230V AC emergency
Weight	Depends on equipment included	Remote system management	AlphaWeb
Mounting	19" rack		
Temperature	0 to +55°C 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		

SYSTEM UNITS

ORDER NUMBER	DESCRIPTION	ORDER NUMBER	DESCRIPTION
System racks		ACM Stations	
ACM-CAB42-600	Empty 19" cabinet 42HU - HWD 2100x600x600 w/ventilation fan and bracket	IP Intercom	
ACM-CAB42-800	Empty 19" cabinet 42HU - HWD 2100x800x600 w/ventilation fan and bracket	100 801 0000	IP CRM V master
		100 801 0000	IP flush master, display
		100 803 1000	Handset for iIP flush master
		100 809 7100	IP CRM DAK module
ACM Intercom modules		Traditional intercom	
115 960 7200	ACM-E7 MODULE	VMP-430	Main Station W/Illuminated Buttons And 4 X Direct Access Keys
115 962 0200	ACM-E20 MODULE	VMP-221	Handset For VMP-430
115 962 6200	ACM-E26 MODULE		
External Communication		Watertight	
MP-114	Analogue media gateway - 4FXO	VMP-530	Main station WT - IP-65
MP-118	Analogue media gateway - 8FXO	VMP-530VHM	Main station w/handmic in wt cabinet
220 000 3000	GSM media gateway	VMP-503	Main station w/ built-in 50 ohm L/S WT - IP-65
92580	GSM multi band antenna with 10m cable	VMP-503PA	Portable main station w/ built-in loudsp.For "ACM" WT - IP-65
92580	GSM multi band antenna with 20m cable	CD-4	Plugbox WT - IP-66
System management		Additional equipment for above	
1009291120	Alphapro professional for USB	VMP-36-PEL	Headset with boom mic. With 10 meter cable
1009647902	VINGTOR billing – 2 external trunks	VMP-36-PELP	Portable headset with boom mic. With 10 meter cable and plug
1009647904	VINGTOR billing – 4 external trunks	MT9	Throat mic. for VMP-36-PEL/PELP
1009647908	VINGTOR billing – 8 external trunks	CD-7-VMP	Plugbox WT - IP-66
1009647916	VINGTOR billing – 16 external trunks		
1009647932	VINGTOR billing – 32 external trunks		
Dataswitch modules		Indoor wall/desk mounted	
MRX-SWITCH	Data switch – 4 ports	VMP-619	Main station low/loudspeaking w/d-10 keys
92745	Industrial PoE switch, 5 port	VMP-D619	Main station low/loudspeaking w/display/vol.Override and d-10 keys
ACM-DS24V01	Managed data switch 24 ports 100/100mbps and 1 port 1gbps - dnv certified - 1 hu		
ACM-DS48	Managed data switch 48 ports 100/100mbps and 2 port 1gbps - 1 HU	Additional equipment for above	
ACM-DS24/POE	Poe data switch 24 ports 100/100mbps and 2 port 1gbps - max 632W - 1 HU	64P0006	Modular jack 1x 8 pin rj45, flush mounted
92745	Industrial PoE switch, 5 port	VMP-211	Wall mounted handset
ACM-PP48	CAT7 48 points patch panel RJ45 - 2HU+2HU cable inlet	VMP-250	Wall mounted handset WT - IP-66
ACM-PC-7	CAT7 outlet socket for ACM-PP48 (one for each outlet)	VMP-204	Power amplifier 220VAC/12W in 20 OHM
Public Adress and General alarm Modules		See product catalogue for other system items	
115 210 0001	Conventional pa control unit		
115 210 0002	PA and GA redundant control unit		
115 210 0003	PA and GA redundant control unit (dnv)		
115 210 0004	Loudhailing logic with interface to acm module		
115 200 0001	19" Power amplifier 120W/100V - 220V AC/24V DC - 3HU +1HU vent		
115 200 0002	19" Power amplifier 240W/100V - 220V AC/24V DC - 3HU+1HU vent		
115 200 0003	19" Power amplifier 400W/100V - 220V AC/24V DC - 3HU+1HU vent		

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