

Multiple Isolated Ports for Comprehensive Protection against Electrical Surges

Ground loop and electric surges are common in the marine applications of electronic products, due to the dense placement of devices. These stray electrical signals can cause equipment damage or malfunction.

2.5 kV Isolation Protection on the RS-232/422/485

■ Isolated 18~36V DC Power 2250VDC Input to Output Basic Insulation

IEI marine computer is protected from any stray electrical signals from other devices on the ship. Electric surges that were generated from other electronic devices which often passed through serial lines to the marine computer can cause severe damage and malfunction to the computers.





Monitor-Intro-2014-V10

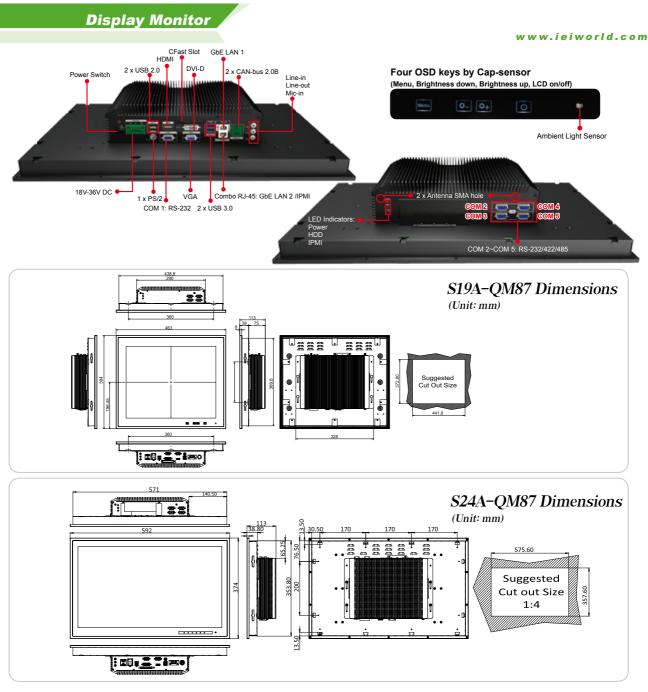


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Display Monitor

S24A-QM87			Intel® Core™ i5 Dual-core Processor				
S19A-QM87			Intel® Core™ i5 Dual-core Processor		Preliminary		
		(Optional Stand Kit)	Intel@ 15°C with I - Excel - Three - Full O - 0%-1 - 178°/ - 0ptica - Isolat - RS-23 - Isolate - 2 x Iso	And 24" Fanless Panel PC with © Core ™ i5 Dual-core Process ~ +55°C Wide Temperature a Flat-bezel Projected Capacit lent Visual Performance independent displays ISD function configuration 00% full range dimming 178° wide viewing angles al bonding improves visibility under bright ion Protection 32/422/485 isolated serial ports ad 18V ~ 36V DC input blated CAN-bus 2.08 Remote Management Module Triple	ssor and IP66 Protection ive Touchscreen t light (optional)		
Specification	ns		IPMI 2.0 Complian	t Display USB 3.0 S	TA 6Gb/s Dual Gbb		
Model	LCD Size	Coming Soon S19A-Q 19"	W87	<u>New</u> S24A-QM 24"	87		
	Panel Type	PMVA		AMVA			
	Max. Resolution	1280 x 1024		AMVA 1920 x 1080 (16:9)			
	Contrast Ratio	2000 :			0.07		
.CD	Brightness (cd/m ²)	300	,	5000 : 1			
00	LCD Color			300 16.7M			
	Pixel Pitch (um)	16.7M		16.7M 276.75 x 276.75			
	Viewing Angles (H-V)	294 x 294 178° / 178°		178° / 178°			
	Backlight MTBF (HRs)	50000		50000			
ouchscreen & Controller		EXC7920 (10		EXC7200 (2-point)			
	SBC Model	EXC/920 (10			Jintj		
	Chipset		SMB-QM87-R10				
System	CPU	Inte	Intel® QM87 Intel® 22nm 4th Generation Mobile Core ™ i5-4400E 2.7GHz processor				
ystem	CPU			R3 SDRAM (2GB*2)			
	RAM	Two 20		anel DDR3 SDRAM support up to 16GB			
Input Interfaces I/O Ports & Switch		2 x U 1 x V 1 x D 1 x H 1 x M 1 x L 1 x L	2 x USB 2.0 1 x lsolated 18V ~ 36V DC 3-pin terminal block 2 x USB 3.0 1 x Power button 1 x VGA 1 x PS2 (through Y-type cable supporting KB/MS) 1 x DVI-D 2 x CAN-bus 2.0B, 3-pin terminal block (2.5 kv iso 1 x HDMI 1 x DB-9 RS-232 (non-isolated), 1 x Line-out 2 x RJ-45 GbE LAN with teaming support 1 x Line-in (2KV isolation protection) 2 x Antenna SMA hole (reserved) 2 x		ng KB/MS) (2.5 kv isolation protectior ion protection)		
	Expansion	2 x Full-size PCIe Mini slot, 1 x iRIS-2400 slot (iRIS remote management module)					
Ethernet Controller			GbE1: Intel® I217LM with Intel® AMT 9.0 support				
			GbE2: Intel® I210-AT PCIe controller				
Sensor			Ambient light sensor (0% ~ 100%)				
DSD		Menu, Brightness do	Menu, Brightness down, Brightness up, LCD on/off by cap-sensor (Graphic Engine: Genesis STDP6038)				
Storage		2 x 2.5" SSD bay with RAID 0/1 function					
ED Indicator		1 x Accessible CFast socket Power (power on: green; power off: orange/storage (red, blinking)/IPMI (blue)					
Power Requirement		Power (power on: green; power off: orange)/storage (red, blinking)/IPMI (blue) Isolated 18V ~ 36V DC, screw-type 3-pin terminal block					
Operating Temperature							
		-15°C ~ 55°C (5°F ~ 131°F)					
Storage Temperature		-20°C ~ 60°C (-4°F ~ 140°F)					
Humidity Thermal Design		5% to 95% RH					
Thermal Design		Fanless					
Watchdog Timer		Supports 1~255 sec. system reset EMC: CE, FCC Safety: DNV, IEC 60945 4th, IACS-E10, IEC 61174					
			Safety: DNV, IEC 60945 4th, IACS-E10, IEC 61174 IP rating: IP66 compliant front panel and IP22 compliant rear cover Front aluminum sheet metal (Black C)				
Certifications		IP	rating: IP66 compliant front pa				
Certifications	M)		rating: IP66 compliant front pa Front aluminum sh	neet metal (Black C)	mm		
Certifications Housing Cut-out Dimensions (L x \	N)	442 mm x 3	rating: IP66 compliant front pa Front aluminum sh 73 mm	eet metal (Black C) 576 mm x 358			
Certifications Housing Cut-out Dimensions (L x M Dimensions (L x W x H)	M)	442 mm x 3 463 mm x 394 mr	rating: IP66 compliant front pa Front aluminum sh 73 mm	eet metal (Black C) 576 mm x 358 592 mm x 374 mm			
Certifications Housing Cut-out Dimensions (L x V Dimensions (L x W x H) Net Weight (kg)	N)	442 mm x 3 463 mm x 394 mi 9.91	rating: IP66 compliant front pa Front aluminum sh 73 mm n x 113 mm	neet metal (Black C) 576 mm x 358 592 mm x 374 mm 13.03			
Certifications Housing Cut-out Dimensions (L x \ Dimensions (L x W x H) Net Weight (kg) Gross Weight (kg)	W)	442 mm x 3 463 mm x 394 mr	rating: IP66 compliant front pa Front aluminum sh 73 mm n x 113 mm	teet metal (Black C) 576 mm x 358 592 mm x 374 mm 13.03 17.19			
Watchdog Timer Certifications Housing Cut-out Dimensions (L x N Dimensions (L x W x H) Net Weight (kg) Gross Weight (kg) Vibration and Shock Power Supply (DC Input)	N)	442 mm x 3 463 mm x 394 mi 9.91	rating: IP66 compliant front pa Front aluminum sh 73 mm n x 113 mm IEC 60945 / DNV 2.4 DC Input ATX 1 - P/N: 041D710 - 150W Power	eet metal (Black C) 576 mm x 358 592 mm x 374 mm 13.03 17.19 compliant / IACS-E10 Power Supply 0-00-101-RS			

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Packing List

Item	Q'ty	Remark
S19A-QM87 or S24A-QM87	1	
User Manual & Driver CD	1	Drivers and User Manual
One Key Recovery CD	1	
Screw Pack	1	Including necessary screws
PS/2 Cable	1	Round cable; PS/2 cable
Wire strain band	3	Wire strain band

Options

	Item	Part No.	Description
	Panel Mount Kit	PK-S19A-R10	For S19A
		PK-S24A-R10	For S24A
	Desktop Stand	STAND-S24A-R10	For S19A & S24A
	Ceiling Mount Kit	CEILMT-S24-R10	For S19A/S24A
	iRIS Module	iRIS-2400-R10	IPMI 2.0 adapter card with AST2400 BMC chip for DDR3 SO-DIMM socket interface

Ordering Information

P/N	Description
	19" 300cd/m ² SXGA marine panel PC with Intel® Mobile
S19A-QM87i-i5/PC/4G-R10	Core™ i5-4400E 2.7GHz CPU, 2*2GB DDR3 RAM, projected
519A-QIVI071-15/PC/4G-R10	capacitive touchscreen, isolated 18-36V DC, iRIS-2400
	supported, R10
	24"300cd/m ² FHD marine panel PC with Intel® Mobile
S24A-QM87i-i5/PC/4G-R10	Core™ i5-4400E 2.7GHz CPU, 2*2GB DDR3 RAM, projected
524A-QIVI071-15/PC/4G-RTU	capacitive touchscreen, isolated 18-36V DC, iRIS-2400
	supported, R10





CEILMT-S24-R10

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