

SAILORPC-12A 12.1" Full IP67 Panel PC

The rugged SAILORPC-12A panel PC based on Intel's Atom processor is designed in a very robust and waterproof (IP 67/NEMA 6) in aluminum housing. Withstanding even the highest demands of all-day field use, and protected against shock and vibration permitting extremely flexible integration into a wide variety of applications, such as: avionics, military, marine, mining, industrial...etc.

Full IP67
Up to 1 meter of submersion

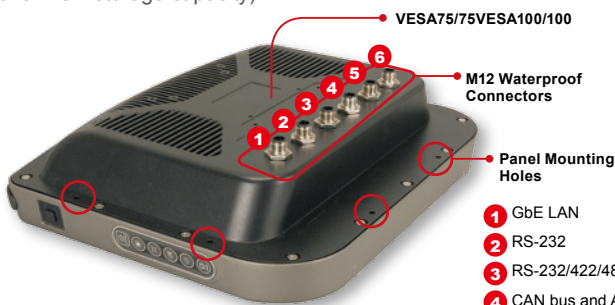


- Fanless
- Wireless 802.11 b/g
- IP 67 Front Panel
- Sunlight Readable
- CAN-BUS automotive applications
- One Key Recovery
iEi symantec.

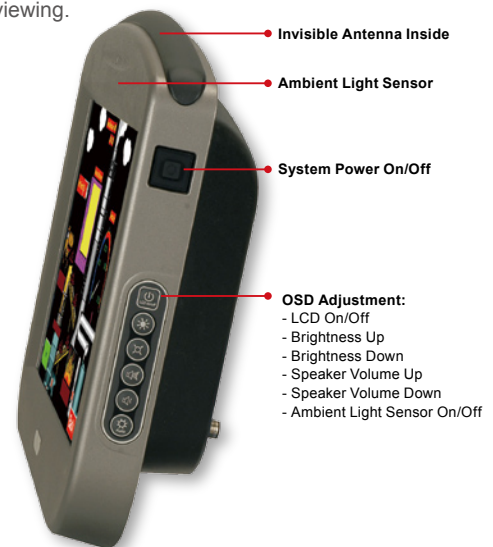
BC AWARD COMPUTEX TAIPEI 2009 **BEST CHOICE**

Features:

- 12.1" 1000 nits super high brightness TFT LCD available
- IP67 (NEMA 6) fully-enclosed aluminum die casting enclosure and IP67 waterproof lockable I/O
- Fanless system integrated with Intel® Atom™ N270 1.6G processor for ultra Low voltage
- Supports one 2.0 GB (max.) 400/533 MHz DDR2 SO-DIMM
- Built-in internal WiFi antenna supports 802.11 b/g/n high standard
- One Compact Flash® Type II socket
- CAN-Bus interface for automotive applications
- Ambient light sensor detects ambient light for automated screen adjustments to optimize viewing. (Advanced Deep Dimming to Black for sunlight readable model)
- Touch Screen
- Standard VESA 75/100 compliance
- Panel mounting support
- IEI One Key Recovery solution allows you to create rapid OS backup and recovery (Suggest over 4GB storage capacity)

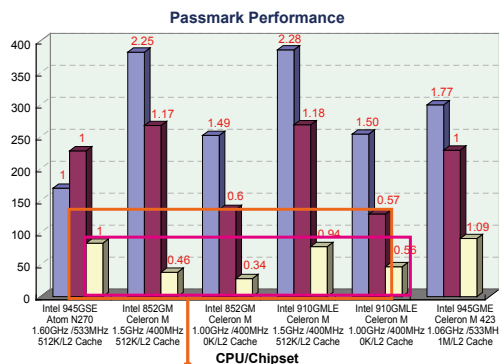


- VESA75/75VESA100/100
- M12 Waterproof Connectors
- Panel Mounting Holes
- 1 GbE LAN
- 2 RS-232
- 3 RS-232/422/485
- 4 CAN bus and Audio line out
- 5 Two USBs
- 6 POWER Adapter



- Invisible Antenna Inside
- Ambient Light Sensor
- System Power On/Off
- OSD Adjustment:
 - LCD On/Off
 - Brightness Up
 - Brightness Down
 - Speaker Volume Up
 - Speaker Volume Down
 - Ambient Light Sensor On/Off

Rugged Panel PC with Fanless Intel® Atom™ Processor



The fanless intelligent display computer, SAILOR-12A, is using 45 nm Intel® Atom™ processor with up to 1.6 GHz frequency and can be used in harsh and safety-critical applications in transport, avionics, engineering or industrial automation.

Better graphic performance is excellent for:kiosk, self-service terminal, and digital signage applications.



Evaluating 3D mark performance with different generation CPU and chipset combination, Intel® Atom™ processor is the best solution for low power consumption and better graphic performance choice.

1 Automation Panel Solutions

2 All-in-One Touch POS

3 Digital Signage


4 Video Wall Controller

5 RISC-based Solutions

6 PACSmate Medical

7 Optional Peripherals

Specifications

Model		SAILORPC-12A-N270	SAILORPC-12ASR-N270
Display	LCD Size	12.1"	
	Max Resolution	1024 * 768	
	Brightness (cd/m2)	400	1000 
	Contrast Ratio	500:1	700:1
	LCD Color	262K	262K
	Pixel Pitch (mm)	0.240(H) x 0.240(V)	0.240(H) x 0.240(V)
	Viewing Angle (H-V)	160°/160°	130°/120°
	Backlight MTBF (hrs)	50000	60000
Motherboard	SBC Model	SAILORMB-ATOM-R10	
	CPU	Intel® Atom™ process N270 1.6GHz CPU	
	Chipset	Intel® 945GSE + ICH7M	Intel® 945GSE + ICH7M
	RAM	Supports one 400/533MHz DDRII SO-DIMM(2GB Max.)	
I/O Ports and Switches	1 x 5pin M12 connector for POWER Adapter		
	1 x 8pin M12 connector for two USB		
	1 x 5pin M12 connector for CAN bus and Audio line out		
	1 x 8pin M12 connector for UART RS-232/422/485		
	1 x 8pin M12 connector for UART RS-232		
	1 x 8pin M12 connector for GbE LAN		
Driver Bay	HDD Driver Bay	1 x 2.5" SATA HDD Bay	
	SSD	CF Type II	
Extension Slot	1 x Wireless Lan Module (802.11 b/g/n) (internal PCIe mini card interface)		
Physical	Construction Front Panel	Aluminum	
	Construction Chasis	Heavy-duty Steel	
	Mounting	Panel, Wall, Rack, Stand and Arm VESA 100mm x 100mm	
	Front Panel Color	Silver (Pantone 8403C)	
	Dimension (WxHxD) (mm)	345.3 x 300.4 x 77	
	Net Gross Weight	4.2 Kg / 5.3 Kg	
Environment	Operation Temperature (°C)	-10°C ~50°C	-10°C ~50°C
	Storage Temperature (°C)	-20°C ~70°C	-20°C ~70°C
	Vibration	5~17Hz, 0.1"" double amplitude displacement 17~640Hz, 1.5G acceleration peak to peak	
	Shoock	10G acceleration part to part (11ms)	
Touch Screen	Resistive Type 5-Wire with RS-232 interface		
Power Supply	Power Adapter - P/N: 63000-CLG60121C-RS - 60W Power Adapter - Input: 90VAC~264VAC, 50/60Hz - Output: 12VDC - M12 waterproof connector 5P		
Power Requirement	9~28VDC		
Front Panel Protection	IP67 Compliant		
Power Consumption	33W	51W	
Certificate	Meets CE, FCC, CB , CCC		

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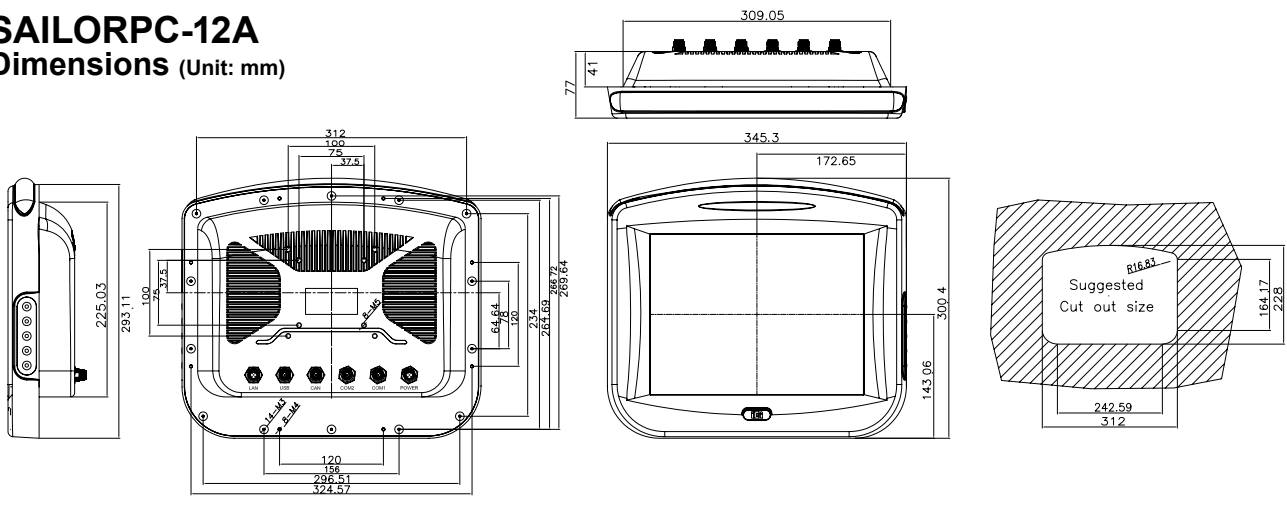
4
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Controller

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RISC-
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PACsmate
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SAILORPC-12A
Dimensions (Unit: mm)

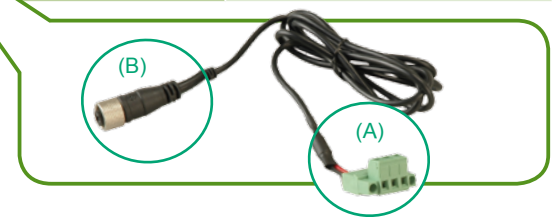


Packing List

Item	Part Number	Q'ty	Specifications
Panel mount screws Pack	44013-030041-RS	1	
Power cable	32000-127500-RS	1	2000mm;16AWG; (A) terminal block connector; (B) M12 Waterproof connector
Utilities CD	7B000-000087-RS	1	
Touch Pen	XTR104-0002-RS	1	

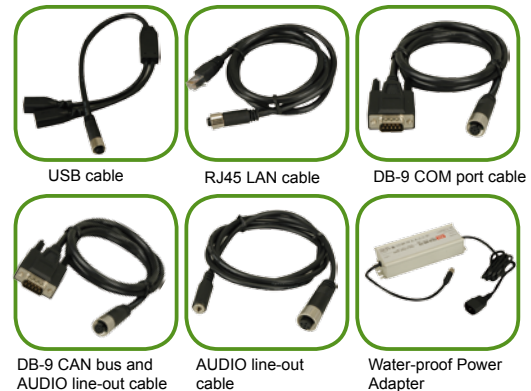
Options

Model	SAILORPC-12A(SR)-N270
Wall mounting kit	AFLWK-12
"Rack mounting kit"	SAILORRK-12
ARM	ARM-11-RS / ARM-31-RS
Stand	STAND-A12 / STAND-100-RS



Optional cables and adapter

Item	Part Number
USB cable	CB-M12USB02-R10
RJ45 LAN cable	CB-M12RJ45-R10
DB-9 COM port cable	CB-M12COM-R10
DB-9 CAN bus and AUDIO line-out cable	CB-M12ACAN-R10
AUDIO line-out cable	CB-M12AUDIO-R10
Water-proof Power Adapter	63000-CLG6012IC-RS



Ordering Information

Brightness	OS	Part Number	Description
400 NITS	CE 6.0	SAILORPC-12A-N270/WT-R/1G/1G-CE6-R10	12.1" 400 cd/m ² IP67 panel PC with Intel® Atom™ N270 CPU 1.6GHz, 802.11 b/g/n wireless module, touch screen, 1GB DDR2 553 MHz, M12 connectors and 1GB compact flash with Windows CE 6.0 operating system
		SAILORPC-12A-N270/WT-R/1G/4G-XPE-R10	12.1" 400 cd/m ² IP67 panel PC with Intel® Atom™ N270 CPU 1.6GHz, 802.11 b/g/n wireless module, touch screen, 1GB DDR2 553 MHz, M12 connectors and 4GB compact flash with Windows XP Embedded operating system
	XPE	SAILORPC-12A-N270/WT-R/1G/80G-XPE-R10	12.1" 400 cd/m ² IP67 panel PC with Intel® Atom™ N270 CPU 1.6GHz, 802.11 b/g/n wireless module, touch screen, 1GB DDR2 553 MHz, M12 connectors and 80GB SATA HDD with Windows XP Embedded operating system
		SAILORPC-12A-N270/WT-R/1G/4G-LNX-R10	12.1" 400 cd/m ² IP67 panel PC with Intel® Atom™ N270 CPU 1.6GHz, 802.11 b/g/n wireless module, touch screen, 1GB DDR2 553 MHz, M12 connectors and 4GB compact flash with LINUX operating system
	LINUX	SAILORPC-12A-N270/WT-R/1G/80G-LNX-R10	12.1" 400 cd/m ² IP67 panel PC with Intel® Atom™ N270 CPU 1.6GHz, 802.11 b/g/n wireless module, touch screen, 1GB DDR2 553 MHz, M12 connectors and 80GB SATA HDD with LINUX operating system
		CE 6.0	SAILORPC-12ASR-N270/WT-R/1G/1G-CE6-R10
1000 NITS	CE 6.0	SAILORPC-12ASR-N270/WT-R/1G/4G-XPE-R10	12.1" 1000 cd/m ² IP67 panel PC with Intel® Atom™ N270 CPU 1.6GHz, 802.11 b/g/n wireless module, touch screen, 1GB DDR2 553 MHz, M12 connectors and 4GB compact flash with Windows XP Embedded operating system
		SAILORPC-12ASR-N270/WT-R/1G/80G-XPE-R10	12.1" 1000 cd/m ² IP67 panel PC with Intel® Atom™ N270 CPU 1.6GHz, 802.11 b/g/n wireless module, touch screen, 1GB DDR2 553 MHz, M12 connectors and 80GB SATA HDD with Windows XP Embedded operating system
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