

# S12A

Intel® Atom™ N270 1.6GHz CPU



## Features

- » 12.1" 1300 nits super high brightness LED available
- » IP 67 (NEMA 6) fully-enclosed aluminum die cast enclosure and IP 67 waterproof lockable I/O
- » Fanless system integrated with Intel® Atom™ N270 1.6GHz processor for ultra low voltage
- » Supports one 2.0 GB (max.) 400/533 MHz DDR2 SO-DIMM
- » Built-in internal Wi-Fi antenna supports 802.11b/g/n high standard
- » 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)
- » Standard VESA 75/100 compliant

## Specifications

<b>Display</b>	
Backlight MTBF(hrs)	50000
Brightness(cd/m2)	500
Contrast Ratio	700 : 1
LCD Size	12.1"
Max Resolution	1024(W) x 768(H)
<b>Environment</b>	
Humidity	10% to 95% (non-condensing)
Operating Temperature	-10°C~50°C
Storage Temperature	-20°C~60°C
<b>I/O Interface</b>	
I/O Ports and Switches	1 x 5-pin M12 connector for power adapter
	1 x 8-pin M12 connector for two USB
	1 x 8-pin M12 connector for UART RS-232
RAM	One 400/533 MHz DDR2 SO-DIMM (max. 2GB )
<b>LCD</b>	
LCD Color	16.2M
Pixel Pitch (mm)	0.3075mm x 0.3075mm
Viewing Angle (H-V)	160° / 160°
<b>Physical Characteristics</b>	
Dimensions (LxWxH) (mm)	345.3 x 300.4 x 77
<b>Power</b>	
Power adapter	9~28V DC
<b>System</b>	
Chipset	Intel® 945GSE + ICH7M
CPU	Intel® Atom™ N270 1.6GHz CPU
HDD	1 x 2.5" SATA HDD bay
SSD	CF Type II
<b>Touch</b>	
Touch Controller	PENMOUNT 6000

Touch Screen	5-wire resistive type with RS-232 interface
Weight	
Weight	4.2 kg/5.3 kg
I/O Interface	
I/O Interface	1 x RS-422/485(8-pin M12 connector)
	1 x USB2.0(8-pin M12 connector)
	1 x Line out(5-pin M12 connector)
	1 x Power In(5-pin M12 connector)
	1 x LAN(8-pin M12 connector)
	1 x CAN-bus(5-pin M12 connector)
	1 x RS-232(8-pin M12 connector)

## Ordering Information

S12ASR/R/1/32-X-R40	12.1" 1300 cd/m <sup>2</sup> 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 320GB SATA HDD with Windows XP Embedded operaintg system, R40
S12ASR/R/1/4-X-R40	12.1" 1300 cd/m <sup>2</sup> 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 operaintg system, R40
S12A/R/1/4-X-R30	12.1" 500 cd/m <sup>2</sup> 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 operaintg system, R30
S12A/R/1/1-C6-R30	12.1" 500 cd/m <sup>2</sup> 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 operaintg system, R30
S12A/R/1/32-X-R30	12.1" 500 cd/m <sup>2</sup> 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 320GB SATA HDD with Windows XP Embedded operaintg system, R30
S12ASR/R/1/1-C6-R40	12.1" 1300 cd/m <sup>2</sup> 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 operaintg system, R40

## Packing List

1 x One Key Recovery CD	1 x Utility CD
1 x Power Adpater	1 x Screw Kit
1 x Touch Pen	