

# 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           |                |