

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

| | |
|---------------------------------|---|
| Display | |
| Backlight MTBF(hrs) | 50000 |
| Brightness(cd/m2) | 500 |
| Contrast Ratio | 700 : 1 |
| LCD Size | 12.1" |
| Max Resolution | 1024(W) x 768(H) |
| Environment | |
| Humidity | 10% to 95% (non-condensing) |
| Operating Temperature | -10°C~50°C |
| Storage Temperature | -20°C~60°C |
| I/O Interface | |
| 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) |
| LCD | |
| LCD Color | 16.2M |
| Pixel Pitch (mm) | 0.3075mm x 0.3075mm |
| Viewing Angle (H-V) | 160° / 160° |
| Physical Characteristics | |
| Dimensions (LxWxH) (mm) | 345.3 x 300.4 x 77 |
| Power | |
| Power adapter | 9~28V DC |
| System | |
| Chipset | Intel® 945GSE + ICH7M |
| CPU | Intel® Atom™ N270 1.6GHz CPU |
| HDD | 1 x 2.5" SATA HDD bay |
| SSD | CF Type II |
| Touch | |
| 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

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|---------------------|---|
| S12ASR/R/1/32-X-R40 | 12.1" 1300 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 320GB SATA HDD with Windows XP Embedded operaintg system, R40 |
| S12ASR/R/1/4-X-R40 | 12.1" 1300 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 operaintg system, R40 |
| S12A/R/1/4-X-R30 | 12.1" 500 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 operaintg system, R30 |
| S12A/R/1/1-C6-R30 | 12.1" 500 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 operaintg system, R30 |
| S12A/R/1/32-X-R30 | 12.1" 500 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 320GB SATA HDD with Windows XP Embedded operaintg system, R30 |
| S12ASR/R/1/1-C6-R40 | 12.1" 1300 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 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 | |