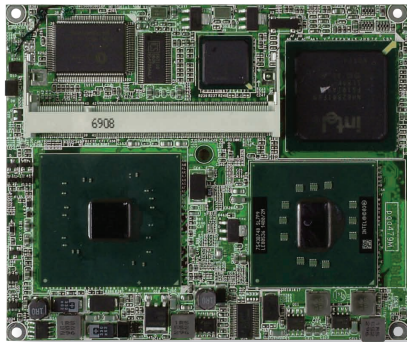


EmXTX-i9100

Intel® Pentium® M XTX™ CPU Module



Features

- Support Intel® Socket 479 Mobile Processors
- Dual Channels 24-bit LVDS, and Analog RGB
- Multi-expansion (2 x SATA, 1 x PATA, 6 x USB, 2 x Serial Ports, 4 x PCIe x1 Lane, 4 x PCI Masters)
- **Extended Operating Temp.: -20 ~ 70°C**

System

| | |
|----------------|--|
| CPU | Intel® Pentium® M/Celeron® M CPU with 400MHz FSB |
| Memory | 1 x 200-pin DDR2 SO-DIMM Socket supporting 400/533MHz SDRAM up to 1GB |
| Chipset | Intel® 910GML E + ICH6M |
| BIOS | Phoenix-Award PnP Flash BIOS |
| Storage | 1 x Ultra ATA, support 2 IDE devices 2 x Serial ATA ports with 150MB/s HDD transfer rate 1 x Floppy disk drive shared with parallel port |

Watchdog Timer 1~255 levels reset

I/O

| | |
|----------------------|--|
| I/O Chip | Winbond W83627HG |
| Serial Port | 2 x COM ports (2 x RS-232 via PBE-1400) |
| Parallel Port | SPP/EPP/ECP mode |
| USB Port | 6 x USB 2.0 ports |
| KB/MS | PS/2 interface for Keyboard and Mouse (via PBE-1400) |
| Expansion Bus | 4 x PCI and support up to 4 x PCIe x1 slots (via customized carrier board) or up to 3 x PCIe x1 slots (via PBE-1400) |

Ethernet

Chipset 1 x Intel® 82551QM PCI 10/100Base-T Ethernet controller

Audio

CODEC/Interface Realtek ALC655 6 Channel AC97 Audio CODEC, Mic-in/Line-in/Line-out

Display

Graphics Chipset Integrated Intel® Graphics Media Accelerator 900

Graphics Interface Analog RGB support up to 2048 x 1536

LCD: Dual Channels 24-bit LVDS

Mechanical & Environmental

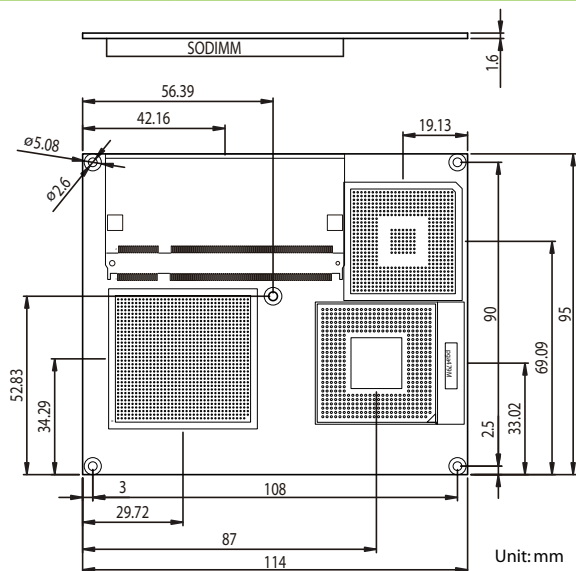
Power Consumption 4.89A/5V, 0.4A/12V with Intel® Pentium® M 1.8GHz

Operating Temp. -20 ~ 70°C (-4 ~ 158°F)

Operating Humidity 0% ~ 90% (non-condensing)

Dimension (L x W) 114 x 95 mm (4.5" x 3.7")

Dimensions



Ordering Information

| | |
|--------------------------|---|
| EmXTX-i9100/CM600 | Intel® Celeron® M 600MHz XTX™ CPU module |
| EmXTX-i9100 | Socket 479 Intel® Pentium® M/Celeron® M XTX™ CPU module |
| HS-9150-F1 | Heat spreader for BGA CPU type (114 x 96 x 10 mm) |
| HS-9150-F2 | Heat spreader for PGA CPU type (114 x 96 x 10 mm) |
| HS-9100-C2 | Heatsink with fan for PGA CPU type (116 x 96 x 33 mm) |
| HS-9100-C1 | Heatsink with fan for BGA CPU type (116 x 96 x 33 mm) |
| PBE-1400 | XTX™ evaluation board in ATX form factor Page 1-19 |

All specifications are subject to change without notice.

Computer on Module

Compact Board

Slot Board

Industrial Motherboard

Wide Temperature

SBC Daughterboard Power Converter Mounting Kit

Rugged Tablet PC

Medical PC

Industrial Panel PC/Monitor

Box PC

Industrial Chassis /Backplane/ Power supply