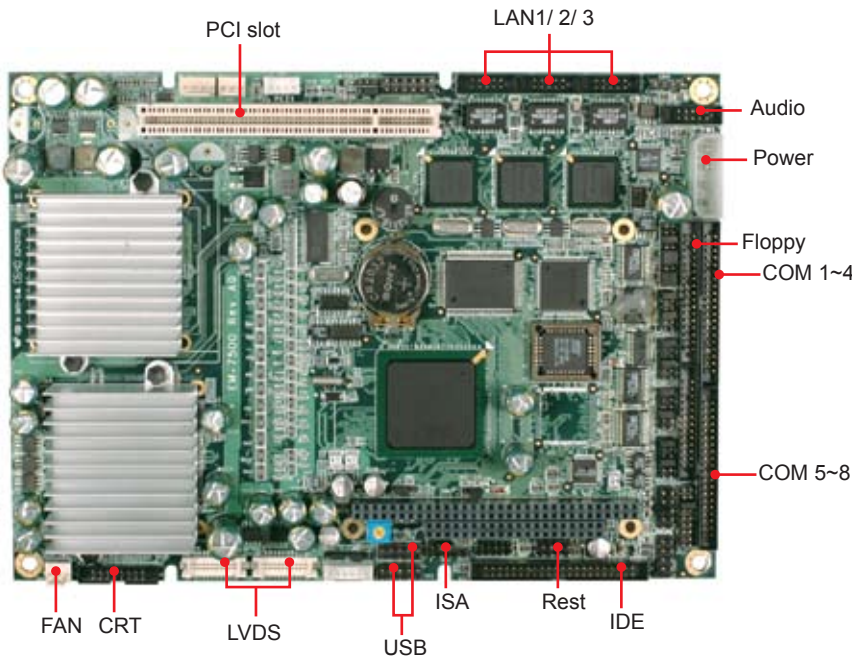


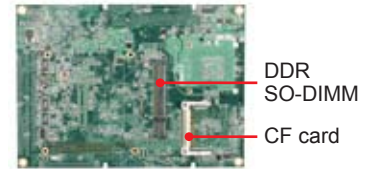
EM-7500

Intel® Pentium® M Embedded SBC with VGA/LVDS, 8 COM, PC/104, 3 LANs, Audio & SSD



Features:

- Embedded Intel® Pentium® M based processors (Socket type or onboard Celeron® M processor)
- Intel® 852GM + ICH4 chipset
- Supports CRT, Dual 18-bit LVDS channel
- Three 32-bit PCI bus 10/100Mbps Ethernet interface
- Seven RS-232 and one RS-232/422/485 serial ports
- One PCI Slot for flexible expansion capabilities
- Six USB 2.0 ports, one IrDA, one parallel port and one PS/2 KB/MS port
- One FDD and one IDE connectors, supports PC/104 slot
- Digital I/O: eight input and eight output



System

CPU	Intel® Pentium® M at 400MHz FSB, or onboard Celeron® M processor 600MHz with 512KB cache
BIOS	Award® 512KB Flash BIOS
System Chipset	Intel® 852GM, ICH4
System Memory	1 x 200-pin DDR SO-DIMM socket supports DDR 266 max. up to 1GB w/o ECC registered
Power Management	APM 1.1, ACPI supported
SSD	50-pin CompactFlash™ type II
Watchdog Timer	255 levels timer interval, (1 ~ 255 seconds), setup by software. Jumper set up for system reset or IRQ
Expansion Interface	1 x 32-bit PCI expansion slot supports two bus master 1 x PC/104 connector
Battery	Lithium 3V/200mAH

I/O

I/O Chipset	SMSC SC3114
I/O Interface	2 x EIDE (Ultra DMA 33/66/100), 1 x FDD, 1 x PS/2 KB/Mouse, 7x RS-232, 1 x RS-232/422/485, 1 x parallel port, 1 x IrDA
USB	6 x USB ports, USB 2.0 compliant
Audio	Realtek® ALC650 supports AC 97 audio stereo sound (Min in, Line in, & Speaker out)
GPIO	8-bit TTL input & 8-bit TTL output

Ethernet

Chipset	Intel® 82551ER
Speed	10/100Mbps
Interface	3x pin-header
Standard	IEEE 802.3u (100Base-T) protocol compatible

Display

Chipset	Built in Intel® GMCH (852GM)
Memory Size	1/4/8/16/32MB frame buffer sharing system memory
Resolution	CRT mode: 1920 x 1440 x 32bpp at 85Hz, 1600 x 1200 x 32bpp at 100Hz 350-MHz integrated 24-bit RAMDAC that can drive a standard progressive scan analog monitor with pixel resolution up to 1600 x 1200at 85Hz & 2048 x 156 at 75Hz

LCD/ LVDS Interface	LCD/Simultaneous mode: 1024 x 768 x 16bpp at 60Hz
Dual Simultaneous Display	18-bit LVDS

Mechanical and Environment

Dimension (L x W)	203mm (L) x 146mm (W) (8" L x 5.75" W)
Operating Temperature	0°C ~ 60°C (32°F ~ 140°F)
Operating Humidity	10% ~ 95% relative humidity, non-condensing
Storage Temperature	-20°C ~ 85°C (-4°F ~ 185°F)
Storage Humidity	5% ~ 95% relative humidity, non-condensing

Power

Power Supply Voltage	+5V & +12V power in, AT/ATX power control
Power Consumption	5V@2.1A, 12V@0.22A

Packing List

- 1 x EM-7500 SBC
- 1 x CD (Manual, Quick installation guide, Utility driver)

Ordering Information

Standard	
EM-7500A	5.25" SBC with socket type Intel® Pentium® M, VGA/LCD, 8 COM, PC/104, 3 LANs, Audio, SSD
EM-7500B	5.25" SBC with, Intel® Celeron® M 600MHz, 512KB cache, VGA/LCD, 8 COM, PC/104, 3 LANs , Audio, SSD
EM-7500C	5.25" SBC with, Intel® Celeron® M 600MHz, 512KB cache, VGA/LCD, 4 COM, PC/104, 2 LANs , Audio, SSD
Optional	
46L-IAUDIO-00	Audio cable/RoHS
46L-IFDC01-00	FDC cable 50cm/RoHS
46L-IIO001-00	COM1-4 cable (2mm) 26cm/RoHS
46L-ILAN05-00	LAN cable 19.5cm/RoHS
46L-ILPT01-00	Printer cable (2mm) 26cm/RoHS
46L-IPCIDC-00	IDE 40pin to 44pin cable 45cm/RoHS
46L-IPS200-00	KB/MS cable 15cm/RoHS
46L-IUSB01-00	USB cable 25cm/RoHS
46L-IVGA01-00	VGA cable (2mm) 15cm/RoHS

* Note : All specifications are subject to change without prior notice