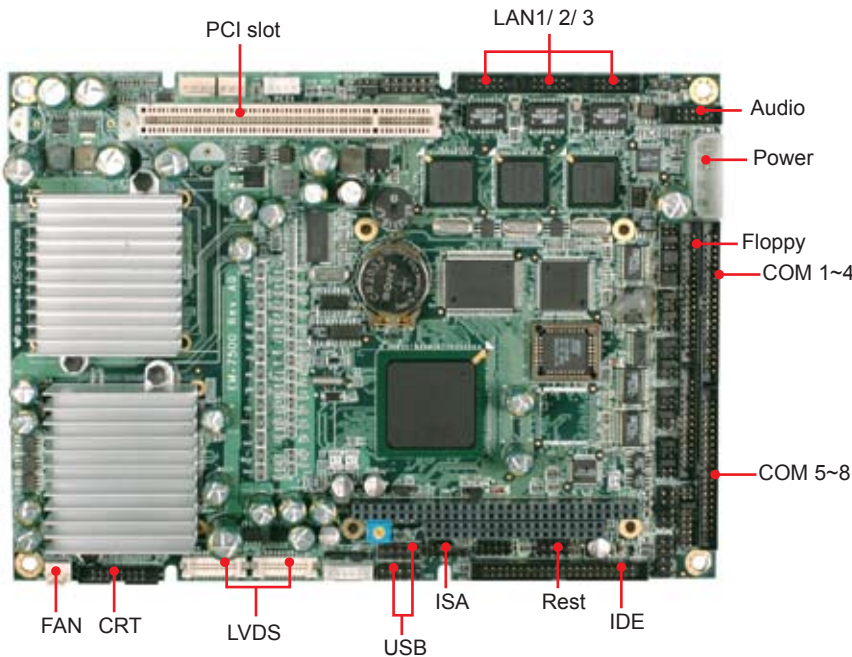


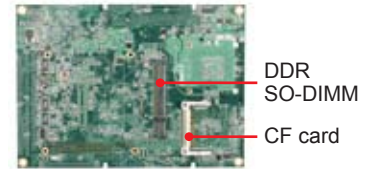
# EM-7500

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

I/O	
<b>I/O Chipset</b>	SMSC SC3114
<b>I/O Interface</b>	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
<b>USB</b>	6 x USB ports, USB 2.0 compliant
<b>Audio</b>	Realtek® ALC650 supports AC 97 audio stereo sound (Min in, Line in, & Speaker out)
<b>GPIO</b>	8-bit TTL input & 8-bit TTL output

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

Display	
<b>Chipset</b>	Built in Intel® GMCH (852GM)
<b>Memory Size</b>	1/4/8/16/32MB frame buffer sharing system memory
<b>Resolution</b>	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

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

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

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

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

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

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