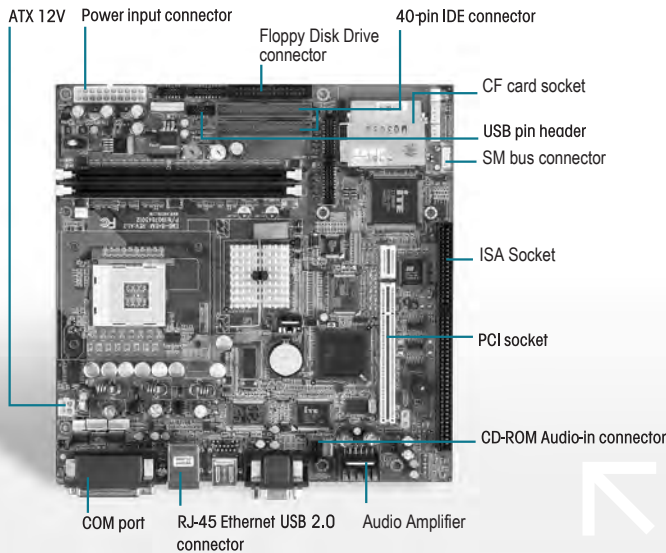


EMB-848M

Industrial Computing Platform Partner

Intel® Pentium® 4 and Celeron® Processors



Features

- Supports Socket 478-based Intel® Pentium® 4 Processor with Hyper Threading Technology, Intel® Celeron® Processors
- 4/5-Wire Resistive Touch Screen Panel
- 2 Channel 24-bit LVDS Interface
- 1 ISA Expansion Interface
- RS-485 Serial Port
- Support SM Bus Interface
- Type II CFD slot



Specifications

System	
CPU	Socket 478-based Intel® Pentium® 4 and Intel® Celeron® processors (.13µ / .18µ) supports up to 3.06GHz with FSB 400/533MHz
System Memory	184-pin DDR SDRAM DIMM socket x 2, Max. 2GB (DDR333/266/200)
Chipset	Intel® 845GV + 82801DB (ICH4)
I/O Chipset	ITE IT8712F
Ethernet	Intel® 82562ET or optional Realtek 8100S/8100C, RJ-45 connector x 1
BIOS	AWARD 512KB FLASH ROM
H/W Status Monitoring	Supports power supply voltages, fan speed and temperature monitoring
Expansion Interface	PCI slot x 1, ISA x1
Battery	Lithium battery
Power Requirement	+3.3V, +5V, +5VSB, +12V, ATX12V. ATX
Board Size	9.6" (L) x 9.6" (W) (243.8mm x 243.8mm)
Gross Weight	0.88 lb (0.4kg)
Operating Temperature	32°F ~ 140°F (0°C ~ 60°C)
Display	
	Support CRT / LVDS simultaneous display
Chipset	Intel® 845GV + Chrontel CH7305
Memory Size	Shared system memory up to 8MB with DDR-RAM
Resolutions	UP to 1600 x 1200@ 24bpp colors for CRT UP to 1280 x 1024@ 24bpp colors for LVDS
I/O	
MIO	EIDE x 2 (UDMA100), Keyboard x 1, RS-232 x 1 RS-232/485 x 1, Parallel x 1
IrDA	One IrDA Tx/Rx header
Audio	MIC-in, Line-in, Line-out, Optional Speaker-out(5W+5 w)
USB	Four Type A Connectors + One 5x2 pin headers, supports up to six USB 2.0 ports
Touch Screen Controller	Optional Hampshire TSHARC-12 PS/2, supports both 4 and 5-wires touch screen panels
USB	SM Bus For Smart Battery interface

Packing List

- 40-pin IDE Cable
- Floppy Disk Drive Cable
- User's Manual
- Utility CD
- EMB-848M

Ordering Information

- **EMB-848M-A10**
Micro ATX, S-D478, DDR, LAN, Audio, 2COM, USB 2.0, PCI, ISA, ATX, Rev. A1.0

Optional Accessories

- **1759200153**
CPU Cooler Fan + Heat Sink, Socket 478, 3P, 12V, 2U Low Profile, up to P4 2.8GHz
- **1759200154**
CPU Cooler Fan + Heat Sink, Socket 478, 3P, 12V, 1U Low Profile, up to P4 2.2GHz