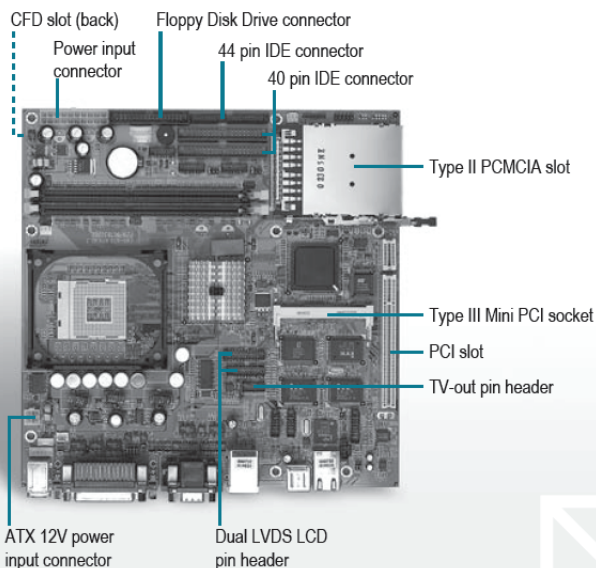


EMB-830

Intel® Pentium® 4 and Celeron® Processors



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 x 2, Max. 2GB (PC-266/333)
Chipset	Intel® 845GV + 82801DB (ICH4)
I/O Chipset	ITE IT8712F + ITE IT8874
Ethernet	Intel® 82562, 10/100Base-TX RJ-45 connector x 1 or Intel® 82562 + Intel® 82540, RJ-45 connector x 2
BIOS	AWARD 512KB FLASH ROM
Watchdog Timer	Generate a time-out system reset
H/W Status Monitoring	Supports power supply voltages, fan speed and temperature monitoring
SSD	Type II CompactFlash™ slot x 1 (Share with secondary IDE)
Expansion Interface	PCI slot x 1, Type II PCMCIA slot x 2, Type III Mini PCI socket x 1
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	0.88lb (0.4kg)
Operating Temperature	32°F ~ 140°F (0°C ~ 60°C)
Display	
	Supports CRT / LCD simultaneous display Supports screen image rotation
Chipset	Intel® 845GV + Chromtel 7017
Memory	Shared system memory up to 64MB with DVMT
Resolutions	up to 1280x1024@32bpp colors for CRT up to 1280x1024@24bpp colors for LCD
LCD Interface	up to 48-bit dual channel LVDS TFT LCD
TV-Out	Supports NTSC and PAL standard
I/O	
MIO	EIDE x 2(UDMA100 x 1, UDMA33 x 1), Floppy Disk Drive x 1, Keyboard+Mouse x 1 RS-232 x 5 (2 for option), RS-232/422/485 x 1, Parallel x 1
IrDA	One IrDA Tx/Rx header
Audio	MIC-in, Line-in, Line-out / Speaker-out. 5.1 output
USB	One 5x2 pin header + Four Type-A connectors

Features

- Supports Socket 478-based Intel® Pentium® 4 Processor with Hyper Threading Technology, Intel® Celeron® Processors
- 48-bit Dual Channel LVDS TFT LCD
- AC-97 3D Surround 5.1 Channel Audio
- Supports Type II CompactFlash™ Memory
- Supports Type II PCMCIA, Type III Mini PCI and PCI Slots
- 6 COM / 6 USB 2.0 / TV-out Ports



Packing List

- 1701400453 40 pin IDE Cable
- 1701440501 44 pin IDE Cable
- 1701340601 Floppy Disk Drive Cable
- 1701100207 COM Port Cable
- 1700080180 TV-out & S-terminal Cable
- 1700140164 Audio Cable
- 1709100201 USB Cable
- 9657666600 Jumper Cap
- Quick Installation Guide
- Utility CD
- EMB-830

Ordering Information

- EMB-830-A10**
Embedded ATX Board, Socket 478, 533 FSB, with LCD, PCMCIA, Gigabit LAN, 5.1 Audio, CF, 6 USB 2.0, 6 COM, ATX, Rev.A1.0
- EMB-830-A10-01**
Embedded ATX Board, Socket 478, 533 FSB, with LCD, LAN, 5.1 Audio, CF, 6 USB 2.0, 4 COM, 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
- 1701440182
Slim Hard Disk Drive 44 pin ATA100 Cable
- PER-1100-A10
Riser Card for PCI, 3-slot, EMB-830, Rev.A1.0
- PER-C10L
Single Port Ethernet Mini PCI Card
- PER-V30C
Single Port Video Capture Mini PCI Card