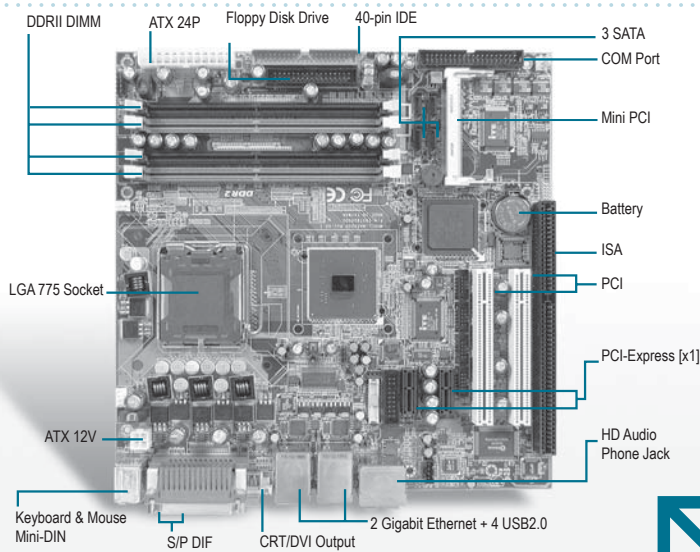


Intel® LGA775 Pentium® 4/ Celeron® D Processors

04

Embedded Motherboards



Features

- Intel® Pentium® 4/ Celeron® D (LGA775) Processors up to 3.4GHz
- DDR II 400/533 DIMM x 4 up to 4GB, Support Dual-channel Memory Capability
- CRT and DVI Display, Up to 24-bit Dual-channel LVDS
- Gigabit Ethernet x 1
- 8-channel High Definition Audio
- Type II CompactFlash™
- PCI-E [x1] x 2/ PCI x 2/ Mini PCI x 1/ Legacy ISA x 1
- COM x 4/ USB2.0 x 8



Specifications

System	
Form Factor	Micro-ATX
Processor	Supports Pentium® 4/ Celeron® D LGA775 processor, up to 3.4GHz with FSB 400/533 MHz
System Memory	240-pin DDR II DIMM x 4, Max. 4GB (DDR II 400/533), support Dual-channel memory capability
Chipset	Intel® 915GV+ICH6
I/O Chipset	ITE 8712
Ethernet	Marvell® 88E8053, Gigabit EthernetRJ-45 x 2
BIOS	AWARD 512KB FLASH ROM
Wake On LAN	Yes
Watchdog Timer	Generates a time-out system reset
H/W Status Monitoring	Supports power supply voltages and temperature monitoring
Expansion Interface	Mini PCI x 1, PCI x 2, PCI-Express [x1] x 2, ISA x 1
Battery	Lithium battery
Power Requirement	ATX, ATX12V
Power Consumption (Typical)	Pentium® 4 3.2GHz, DDRII 533 1GB +12V @ 6.12A, +5V @ 2.86A
Board Size	9.6"(L) x 9.6"(W) (244mm x 244mm)
Gross Weight	1.32 lb (0.6 kg)
Operating Temperature	32°F ~ 140°F (0°C ~ 60°C)
Storage Temperature	-40°F ~ 176°F (-40°C ~ 80°C)
Operating Humidity	0% ~ 90% relative humidity, non-condensing
MTBF (Hours)	50,000
Display	
Chipset	Supports CRT, DVI, LVDS, LCD
Chipset	Intel® 915GV
Memory	Shared memory up to 224MB with DVMT
Resolutions	Up to 1024x768@24bpp colors for LCD
LCD Interface	Up to 24-bit dual-channel LVDS
I/O	
Storage	EIDE x 1 (UDMA 100), SATA I x 3, Type II CompactFlash™ x 1, Floppy Disk Drive x 1
Serial Port	RS-232 x 3, RS-232/422/485 x 1
Parallel Port	SPP/ EPP/ ECP mode
USB	USB2.0 x 8
PS/2 Port	Keyboard x 1, Mouse x 1
Digital I/O	Supports 16-bit (Programmable)
IrDA	One IrDA Tx/Rx header
Audio	8 channel High Definition Audio

Packing List

- **1701400453**
40-pin ATA100 Cable
- **1701340601**
34-pin Floppy Disk Drive Cable
- **1701400180**
Serial Port Cable
- **1709070500**
SATA150 Cable
- **1702150150**
SATA Power Cable
- **9657666600**
Jumper Cap
- **Quick Installation Guide**
- **Utility CD**
- **EMB-900M**

Ordering Information

- **TF-EMB-900M-A10**
Micro ATX, LGA-775, DVI, DDRII, 2GbE, HD Audio, 4 COM, USB 2.0, CompactFlash™, PCI-E, ATX, Rev.A1.0

Optional Accessories

- **TF-PER-C10L-A10**
Mini PCI 10/100 Base-TX Ethernet Module with Realtek 8100C
- **TF-PER-C10L-A10-01**
Mini PCI Gigabit Ethernet Ethernet Module with Realtek 8110S
- **TF-PER-C10L-A10-02**
Mini PCI 10/100 Base-TX Ethernet Module with Intel® 82551QM
- **TF-PER-C10L-A10-03**
Mini PCI Gigabit Ethernet Ethernet Module with Intel® 82541GI
- **TF-PER-C20S-A10**
Mini PCI 2-port SATA Module Rev.A1.0
- **TF-PER-C30F-A10**
Mini PCI 3-port IEEE 1394a Module
- **TF-PER-V30C-A11**
Mini PCI Single Channel Capture Module with Philips SAA7135
- **TF-PER-C40C-A10**
Mini PCI 2-port RS-232 Module Rev. A1.0
- **TF-PER-C40C-A10-01**
Mini PCI 4-port RS-232 Module Rev. A1.0