



System

CPU	Socket 478 for Pentium® 4 / Pentium® 4M / Celeron® Up to 3.06GHz
System Memory	1x DDR DIMM, Max. 1GB
System Chipset	Intel® 845GV + ICH4, 400MHz/533MHz FSB
BIOS	Award
Watchdog Timer	256 levels
SSD	N/A
H/W Monitor	Yes
Expansion Slot	1x PCI (2 masters)

Graphics

VGA Controller	Intel® 845GV integrated VGA for CRT (Intel® Extreme Graphics)
VGA Memory	Intel DVMT memory allocation
LCD Interface	18/24-bit LVDS + Chrontel CH7017 (dual channel)

LAN

LAN Controller	Realtek 8100BL LAN, 10/100Mbps
Connector	RJ-45 on board

Multi I/O

I/O Chipset	Winbond W83627HF + F81216D 2x IDE (UDMA33/66/100), 1x FDD, 1x KB, 1x Mouse, 4x RS-232, 1x LPT
USB	2 ports on board Pin header for 2 ports (USB 2.0)
Audio	Built-in audio + AC97 codec
Others	IrDA

Features

- Supports Pentium® 4 / Pentium® 4M processors
Up to 3.06GHz, 400MHz/533MHz FSB
- 1x DDR DIMM, Max. 1GB
- Integrated VGA, CRT/LVDS/TV-out support
- Realtek 8100BL 10/100BaseT LAN
- 4x USB 2.0, 4x COM, 1x PCI slot
- Watchdog Timer, Digital I/O

Mechanical and Environmental

Dimensions	170mm x 170mm (6.7" x 6.7")
Max. Power Requirement	Pentium® 4 3.06GHz w/ 512MB DDR +5V: 3.17A +12V: 7.14A
Operating Temperature	0°C~60°C (32°F~140°F)
Storage Temperature	-20°C~80°C (-4°F~176°F)
Relative Humidity	10%~90% (non-condensing)

Ordering Information

MB850-R	Socket 478 845GV Mini-ITX motherboard w/ VGA and 10/100 LAN
MB850F-R	Socket 478 845GV Mini-ITX motherboard w/ VGA, TV-out, LVDS and 10/100 LAN
MB850MF-R	Socket 478 (for Pentium® 4M) 845GV Mini-ITX motherboard w/ VGA, TV-out, LVDS and 10/100 LAN
IP115	Riser card with 1x PCI (see page 34)
IP151-R	Riser card with 2x PCI (see page 34)
IP340	Riser card with 2x PCI (see page 34)
IP450-R	Riser card with 2x PCI (see page 35)
CMI201	Chassis for Mini-ITX motherboard, low power, medium type (see page 119)
CMI203	Chassis for Mini-ITX motherboard, regular type (see page 120)

Remarks:

* Specifications are subject to change without prior notice.