

High-End, Full-Size Socket 478 Single Board Computers



IB-840 Socket 478 SBC with 800MHz FSB, VGA, Dual LAN, Audio & More



SPECIFICATIONS

CPU Socket	Socket 478
CPU	Intel Pentium 4, 2.0 GHz ~ 3.20GHz+
Front Side Bus	800MHz / 533MHz / 400MHz
Chipset	Intel 865G Chipset
L2 Cache	128K/256K/512K, CPU integrated
BIOS	Award BIOS, ACPI supported
Memory	2-DDR sockets, up to 2GB DDR SDRAM PC266/333/400 DDR SDRAM, w/o ECC
Video	82865G AGP4X VGA for CRT interface (Optional MicroAGP VGA)
	1. ATI Mobility M7 VGA, 32MB frame buffer (DDR) via <i>IBA110-32</i> , supports CRT, LVDS, TV- out, 2nd CRT
	2. ATI Mobility M9 VGA, 64MB frame buffer (DDR) via <i>IBA110-64</i> , supports CRT, LVDS, TV- out, 2nd CRT
	2. ATI Mobility M10 VGA, AGP8X, 64MB frame buffer (DDR) via <i>IBA110-64A</i> , supports CRT, LVDS, TV-out, 2nd CRT
	3. LVDS / TV-out MicroAGP card - <i>IBA120</i>
Primary LAN	Intel 82551 10/100Mb Ethernet
Secondary LAN	Intel 82547EI Gigabit Ethernet (optional)
Audio	ICH5 audio with AC97; 5.1
IDE Interface	Built in ICH5; Two enhanced IDE supports 4 IDE devices including UDMA33/66/100, PIO mode 4 and bus master
FDD Interface	Supports up to two floppy disk drives: 3.5" and/or 5.25" drives; 3 Mode

Parallel Port	One LPT port supports SPP/EPP/ECP
Serial Ports	One RS-232/422/485 and one RS-232
Serial ATA	Supports 2 ports
Watchdog Timer	Generates system reset; 256 levels
Solid State Disk Monitoring	Supports 2MB~288MB DiskOnChip Built in W83627HF; monitors system/ CPU temperature and voltage status
USB	Supports 4 USB ports, 2.0 compliant
IrDA	Pin header
Power	Pentium 4 2.2GHz with 512MB DDR SDRAM, +5V: 6.4A +12V: 6.3A
Dimensions	338mm x 122mm (13.3" x 4.8")
Temperature:	0°C~60°C (32°F~140°F) (operating) -20°C~80°C (-68°F~176°F) (storage)
Relative Humidity	10%~90% (non-condensing)

Configurations:

IB840	Socket 478 Intel 865G PICMG Full Size CPU card, FSB 800MHz, support DDR, 82551LAN x1, VGA, MicroAGP for optional VGA expansion
IB840F	Adds 82547 Gigabit LAN x1 to IB840

Options:

IBA110-32	MicroAGP VGA card with ATI M7 VGA, 32MB memory, supports CRT, LVDS, TV-out, 2nd CRT
IBA110-64	MicroAGP VGA card with ATI M9 VGA, 64MB memory, supports CRT, LVDS, TV-out, 2nd CRT
IBA110-64A	MicroAGP VGA card with ATI M10 VGA, AGP8X, 64MB memory, supports CRT, LVDS, TV-out, 2nd CRT
IBA120	MicroAGP card with Chrontel CH7017 LVDS chipset for LVDS or TV-out

All specifications are subject to change without notice.

