

MBC-6210

Socket 370 Celeron/Coppermine Full-Size SBC with Micro PCI Slots



Specification

- · Processor Socket: FC Socket 370 connector
- Processor: Intel Celeron /Coppermine up to PIII 1.0G (100MHz FSB)
- Bus Speed: 66MHz and 100MHz
- Chipset: Intel 440BX AGPset
- Secondary Cache: CPU integrated
- Memory Sockets: Three (for 440BX)168-pin DIMM sockets Max. 768MB SDRAM
- · BIOS: Award BIOS, PnP support
- FLASH EEPROM (256KB) for BIOS update
- ISA Plug and Play (PnP) extension
- · Power management
- DMI BIOS Support:

Desktop Management Interface (DMI) allows users to download system hardware-level information such as CPU type, CPU speed, internal/external frequencies and memory size.

- Multi I/O: Winbond W83977EF
- Parallel Port: One high-speed parallel port, SPP/ EPP/ECP mode
- Serial Port: Two 16550 UART compatible ports with COM1 as RS232 and COM2 jumper configurable as RS232/422/485
- Enhanced IDE: Two Bus Mastering EIDE mode, up to 4 devices, Two EIDE interfaces for up to four devices, support PIO Mode 3/4 or Ultra DMA/33 IDE Hard Disk and ATAPI CD-ROM.
- FDD Interface: Two floppy drives (360KB, 720KB, 1.2MB, 1.44MB, 2.88MB, LS-120)
- USB Interface: Two USB pin-header connectors, compliant with USB Specification Rev. 1.0
- DiskOnChip: The M-Systems flash disk supports system boot and storage capacity from 2MB to 144MB.
- · Watchdog Timer: 16-level, programmable

- I/O port 0443H to enable watchdog.
- · I/O port 0441H to disable watchdog.
- Up to 1280x1024x8bpp colors resolution for color active matrix TFT panels (12, 18, and 24bit analog) or (12+12),
 - (18+18) double pixel/CLK interface
- Green Function: Power management via BIOS, activated through mouse/keyboard movement
- Keyboard and Mouse Connectors: PS/2 type mini-DIN that supports PC/AT; supports a 5-pin external keyboard connector
- IrDA Interface: Pin-header connector for the optional IrDA external connector
- PICMG Compliance: Fully compliant to PICMG standards

Environment and Mechanical

- Power Supply: 10A @+5V(max), ± 12V:100mA (max)
- Temperature: 0°C to 60°C (32°~140°F)
- Humidity: 5% to 95%
- **Dimensions:** 338 x 122mm

MBC-140: VGA and Ethernet MicroPCI Daughter Card

- C&T 69000/69030 VGA controller
- · Embedded 2/4MB SDRAM display memory
- · Simultaneous CRT & LCD display
- LCD panel supports DSTN / TFT 1280x1024x8bpp colors CRT resolution
- Realtek RTL8139 Family Ethernet controller
 The Realtek RTL8139 Family is a highly integrated
 and cost-effective single-chip Fast Ethernet control ler that provides 32-bit performance, PCI bus master capability, and full compliance with IEEE 802.3u
 100Base-TX specifications and IEEE 802.3x Full
 Duplex Flow Control.

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