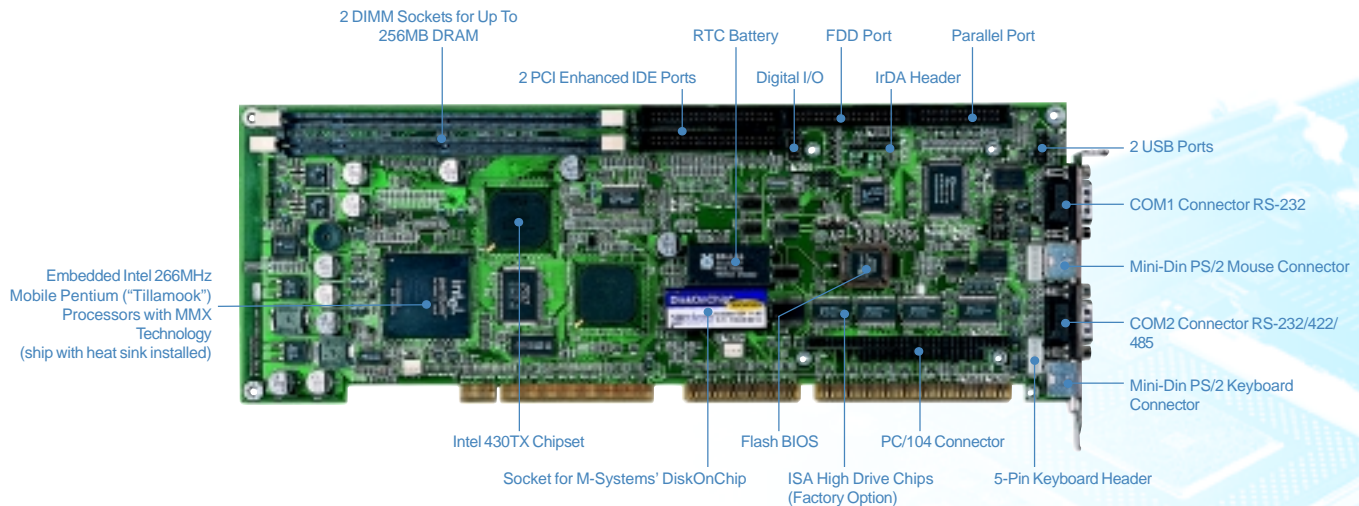


AP-520-LP266 PICMG SBC w/ Embedded 266MHz Mobile Pentium MMX Industrial PICMG SBC



The highly reliable AP-520-LP266 PICMG Single Board Computer has all the basic features for your industrial application needs. It adopts the Intel 430TX chipset and has an embedded Intel 266MHz Mobile Pentium processors with MMX technology. It has 512KB pipeline burst L2 cache to boost performance. It accepts two DIMMs for up to 256MB DRAM.

The AP-520-LP266 has an integrated PC/104 connector to provide you many expansion options while a socket for M-System's DiskOnChip offers diskless operation. Other on-board features include two PCI Enhanced IDE ports for up to four Ultra DMA-33 devices, two serial ports with one selectable RS-232/422/485, one multi-mode parallel port, two USB ports, one IrDA interface, and one 8 level watchdog timer. This SBC also has Health Monitoring with CPU temperature alarm.

■ Specifications

- **CPU**
On-board Intel 266MHz Mobile Pentium processors with MMX technology.
- **System Chipset**
Intel 430TX system chipset.
- **System Memory**
Two 168-pin DIMM sockets support up to 256MB SDRAM.
- **Cache Memory**
512KB pipeline burst secondary cache.
- **Solid State Disk / Flash Memory**
One 32-pin DIP socket supports M-Systems DiskOnChip up to 144MB.
- **IDE Interface**
Two Enhanced IDE port supports up to four IDE or Ultra DMA-33 devices.
- **FDD Interface**
One FDD interface supports up to two floppy drives.
- **Serial Port**
Two 16550 serial ports on-board, one RS-232 and one RS-232/422/485.
- **Parallel Port**
One multi-mode parallel with support for EPP, ECP and SPP.
- **Digital I/O**
4-bit digital input/ 4-bit digital output header.
- **Universal Serial Bus**
Two USB port via headers.
- **IR Interface**
On-board IRDA header support one IR Interface.
- **Keyboard**
5-pin keyboard header and 6-pin Mini-Din PS/2 keyboard connector.
- **PS/2 Mouse**
6-pin Mini-Din PS/2 mouse connector.
- **Watchdog Timer**
8 hardware level time-out intervals (0.5/1/2/4/8/16/32/64 seconds).
- **Health Monitoring**
On-board Genesys 518SM health monitoring with CPU temperature alarm.
- **External Power Connector**
On-board 8-pin external power connector.
- **Expansion Bus**
Built-in PC/104 expansion bus.
- **BIOS**
256K Award flash BIOS.
- **Bus Interface**
PICMG (ISA & PCI) with ISA High Drive option.
- **RTC Battery**
Dallas RTC Battery.

■ Physical Dimension / Operating Environment

- **Dimension / Weight**
13.25" X 4.83" / 338mm X 122mm
12.2 oz / 345.9 g
- **Operating Conditions**
Operating Temperature: 0° to 60° C
Storage Temperature: -20°C to 70° C
Operating Humidity: 10% to 90% RH, non-condensing
Power: 2.15A@+5V, 0.03A@+12V (11.11W)
Typical with 64MB RAM



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