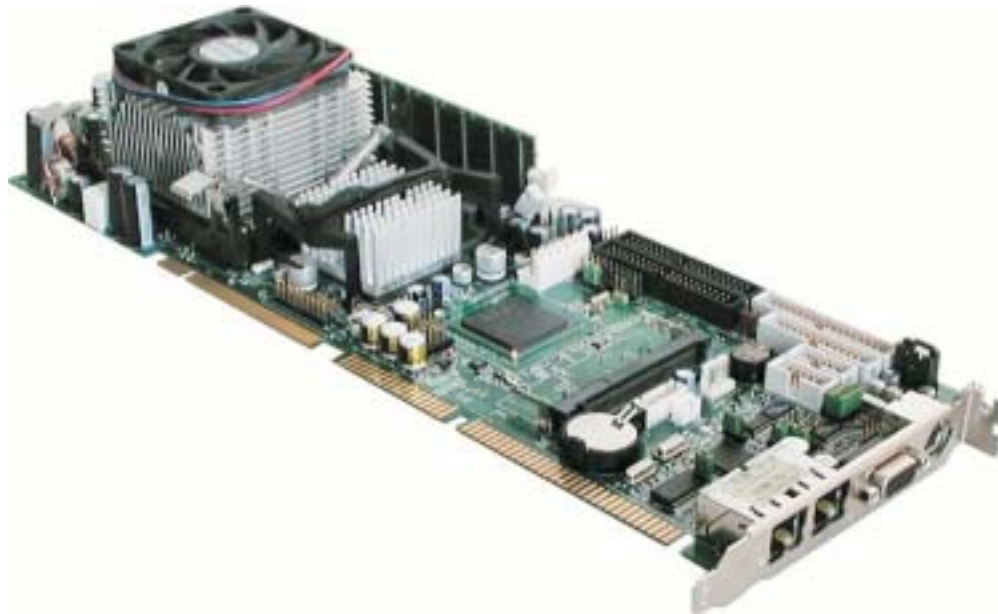


PCI-951

Pentium 4 Power PICMG Full-Size SBC



Speed

Connectivity

Longevity

PICMG Full-Size SBC

- ▶ Intel Pentium 4 / Celeron
- ▶ Up to 2 GB DDR-SDRAM
- ▶ Integrated Intel '845G Graphics
- ▶ Dual 10/100 Base-T (10/100/1000 Base-T option) Ethernet
- ▶ Audio
- ▶ Mini PCI Extension

Product Overview

Fast

The combination of Intel's latest processor, the Pentium 4, with the 845G chipset delivers outstanding performance allowing you to set the pace for innovative applications today by offering enough headroom for the emerging next generation requirements. By minimizing deployment risks through a broad range of software support the PCI-951 eases the process of product integration and maximizes your competitive advantage to meet your time-to-market window.

Connected

Connectivity based on highly sophisticated communication technology is the key aspect of being competitive in a wide range of networking applications. By providing four high-speed USB 2.0 channels and two Ethernet interfaces (single Gigabit Ethernet alternative) the PCI-951 supports comprehensive connectivity features.

Expandable

The standard miniPCI connector is your gateway to unlimited adaptability. Kontron currently offers dual network, FireWire®, WLAN based on 803.11a, Bluetooth and analogue modems.

Rear Bracket

LAN LAN VGA PS/2
 10/100base-T 10/100base-T (combi KBD / MS)
 (opt. Gigabit)



CPU-CORE

- Intel Pentium 4 processor
- Intel Celeron processor
- Intel 845G Chipset (+ ICH4)

Memory

- Two 184-pin latching DIMM sockets
- Up to 2 GB DDR-SDRAM
- CompactFlash socket

Bus Interface

- PCI Bus (33 MHz)
- ISA Bus (8.33 MHz)

Cache

- 8/8 KB Instruction/Data Level 1
- 128/256/512 KB Pipeline Burst Cache

I/O Ports

- USB Ports: Four (Ver2.0)
- Serial Ports: Two 16550 UART compatible ports: First RS232; second RS232/RS422/RS485 One bi-directional SPP/ECP/EPP
- Parallel Port: Support for two drives up to 2.88 MB
- Floppy Disk: 4 EIDE drivers, PIO Mode 4, Ultra DMA/33/66/100
- EIDE: Dual 10/100 Base-T (845G; Intel 82559B)
- Ethernet: AC97 CODEC support Line-in/Line out/Mic function
- Audio:

VGA Display

- Internal Intel® 845 graphicscontroller offering CRT and DVI interface

BIOS

- Award BIOS in Flash

Supervisory

- Monitoring CPU/system temperature, voltages and fan speeds
- 16-level programmable Watchdog timer

OS Compatibility

- MS-DOS; Windows® 98, 2000, Me, XP, NT 4.0 and Linux

Environmental

- Temperature: 0 ° to 60 °C

Mechanical

- 338 mm x 122 mm (13.32" x 4.80")
- Conforms to IEEE P996 PC/AT bus, PCI Rev. 2.2, & PICMG Rev. 2.0 standards

Product	Description
PCI-951/C1800	PCI-951 with 1.8 GHz Celeron
PCI-951/2400	PCI-951 with 2.4 GHz Pentium 4
ML5592	Mini PCI Interface Card, Dual Intel 82559 B Ethernet
MF1394	Mini PCI Interface Card, TI TSB43AB22 chipset, 1394 connector x2

Corporate Offices

US/ Canada
 6260 Sequence Drive
 San Diego, CA 92121-4371
 Tel.: +1 (0) 88 82 94 45 58
 Fax: +1 (0) 88 86 77 08 98
 sales@kontron.com

Europe, Middle East and Africa
 Oskar-von-Miller-Straße 1
 85386 Eching/Munich Germany
 Tel.: +49 (0) 8165 77 0
 Fax: +49 (0) 8165 77 219
 sales@kontron.com

Asia Pacific
 6F, No. 9, Lane 235, Pao-Chiao Rd.,
 Hsin-Tien, Taipei Hsien, 231 Taiwan
 Tel.: +88 62 29 10 35 32
 Fax: +88 62 29 10 35 82
 sales@tw.kontron.com

Kontron Modular Computers GmbH
 Sudetenstr. 7
 D-87600 Kaufbeuren
 Tel.: +49 (0) 8341 803 0
 Fax: +49 (0) 8341 803 499
 www.pep.com

Our worldwide sales representatives and partners can be found on our websites.