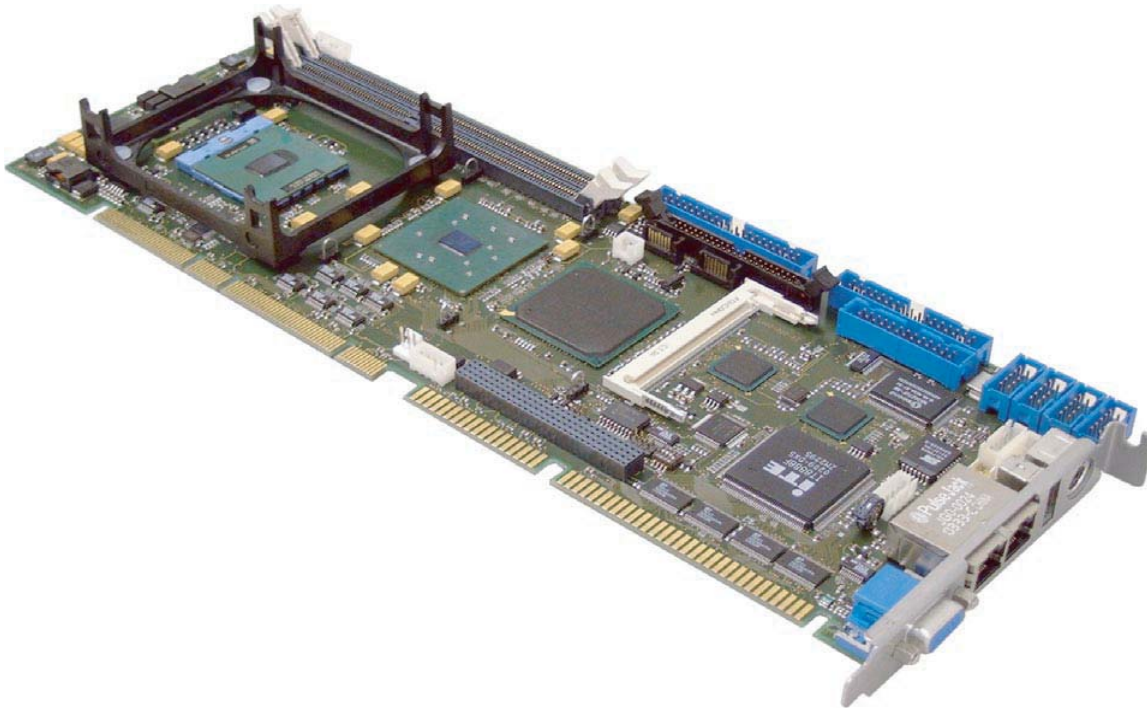


➤ PCI-954-VG2

➤ Fullsize PICMG 1.0 with Intel® Pentium® M Power



Low Power high performance PICMG 1.0 Slot-CPU.

Fast

The combination of Intel's latest low power processor, the Pentium-M, with the 855GME chipset in combination with the 6300ESB delivers outstanding performance, allowing you to set the pace for innovative applications today by offering enough headroom for the emerging next generation's requirements even in high-temperature environments. By minimizing deployment risks through a broad range of software support the ATX-855GME 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 high-speed USB 2.0 channels, four serial ports, dual SATA and dual Ethernet (optional Giga-Bit) interfaces the PCI-954-VG2 supports comprehensive connectivity features.

Features:

- Intel® Pentium® M
- Up to 2 GByte DDR-SDRAM
- Dual 10/100/1000 Base-T Ethernet
- Up to 64 Bit @ 66 MHz
- SATA, miniPCI, USB 2.0

► PCI-954-VG2 Technical Specifications

CPU-Core

- Intel® Pentium® M, Intel® 855GME Chipset and 6300ESB

Memory

- Two 184-pin latching DIMM socket, 64-bit
- Up to 2 GByte DDR-SDRAM

Bus Interface

- PSB 400 MHz
- Memory: DDR200/266/333 with ECC support
- PCI Bus up to 64 bit / 66 MHz
- miniPCI 32bit / 33MHz
- ISA (16-bit, high drive capable, no ISA DMA)

Serial Ports

- Four 16550 UART compatible ports:
- All RS232 (see options)

Parallel Port

- One high-speed parallel port, SPP/EPP/ECP mode

Floppy Disk

- Support for one floppy drive

EIDE

- 2 parallel EIDE drivers, support PIO Mode 4 or UltraDMA 33/66/100
- Dual channel SATA

Ethernet

- Dual Intel® 82551ER 10/100 Mbit Ethernet
- optional dual Intel® 82541 10/100/1000 Mbit Ethernet

USB

- 3x USB 2.0 (1x bracket, 2x internal)

PS/2

- Keyboard/ Mouse internal and on bracket

VGA Interface

- Intel® Extreme Graphics II (internal in 855GME)
- Analogue VGA
- optional DVI / RIIDM / LVDS

Clock/Calendar

- Real-time clock with 256 byte battery backup RAM (>10yrs. lifetime)

BIOS

- AMIBIOS in Boot Flash with emergency recovery code
- save CMOS in Flash option in 2 MByte Flash

Supervisory

- Programmable Watchdog timer
- FAN, Voltage and temperature monitoring, external interface available

OS Compatability

- Windows 2000, XP, VxWorks and Linux.
- Others on request

Environmental

- operation: 0° to 60°C,
- storage: -40° to 85°C

Mechanical

- PICMG 1.0 Full-Size (64-bit)

Ordering Information

PCI-954-VG2/C1300

- PCI-954-VG2 with 1.3 GHz Celeron-M Processor and active heatsink

PCI-954-VG2/1600

- PCI-954-VG2 with 1.6 GHz Pentium-M Processor and active heatsink

Passive Heatsink

- Passive heatsink instead without FAN.
Attention: need airflow in system

opt. RS422 isolated

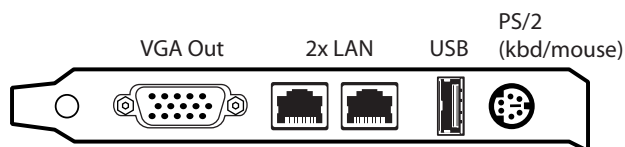
- Adapter implementing RS422 with 1.5 kV galvanic isolation (one needed per interface)

opt. RS485 isolated

- Adapter implementing RS485 with 1.5 kV galvanic isolation (one needed per interface)

opt. RS232 isolated

- Adapter implementing RS232 with 1.5 kV galvanic isolation (one needed per interface)



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