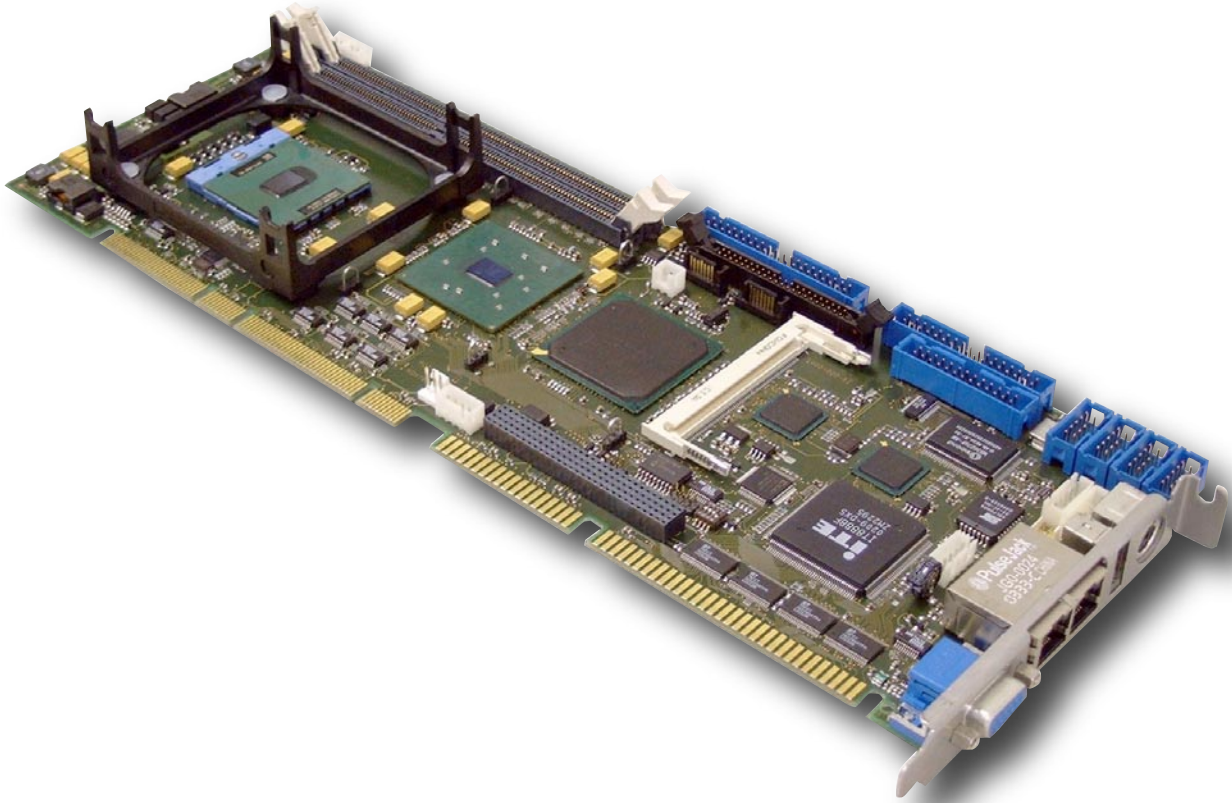


➤ PCI-954



➤ Fullsize PICMG 1.0 with Intel® Pentium® M Power

- 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

Product Overview

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.

Technical Information

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)

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 supports comprehensive connectivity features.

With PCI-954 you are...

...always a Jump ahead!

PS/2	Keyboard/ Mouse internal and on bracket
VGA Interface	Intel® Extreme Graphics II (internal in 855GME) Analoge 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

Article	Description
PCI-954/C1300	PCI-954 with 1.3 GHz Celeron-M Processor and active heatsink
PCI-954/1600	PCI-954 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 RS485with 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)

Corporate Offices

Europe, Middle East & Africa
Oskar-von-Miller-Str. 1
85386 Eching/Munich - Germany

Tel.: +49 (0)8165 77 0
Fax: +49 (0)8165 77 219

sales@kontron.com

US/ Canada
6260 Sequence Drive
San Diego, CA 92121-4371

Tel.: (858) 677-0877
Fax: (858) 677-0898

sales@us.kontron.com

Kontron Embedded Technology ASIA

2nd Floor No. 2, Lane 50,
Nan Kang Road Section 3,
Nan Kang District, Taipei, **Taiwan** 115
Phone: +886-2-2782-0201
Fax: +886-2-2782-7486
sales@kontron.com.tw
www.kontron.com.tw

