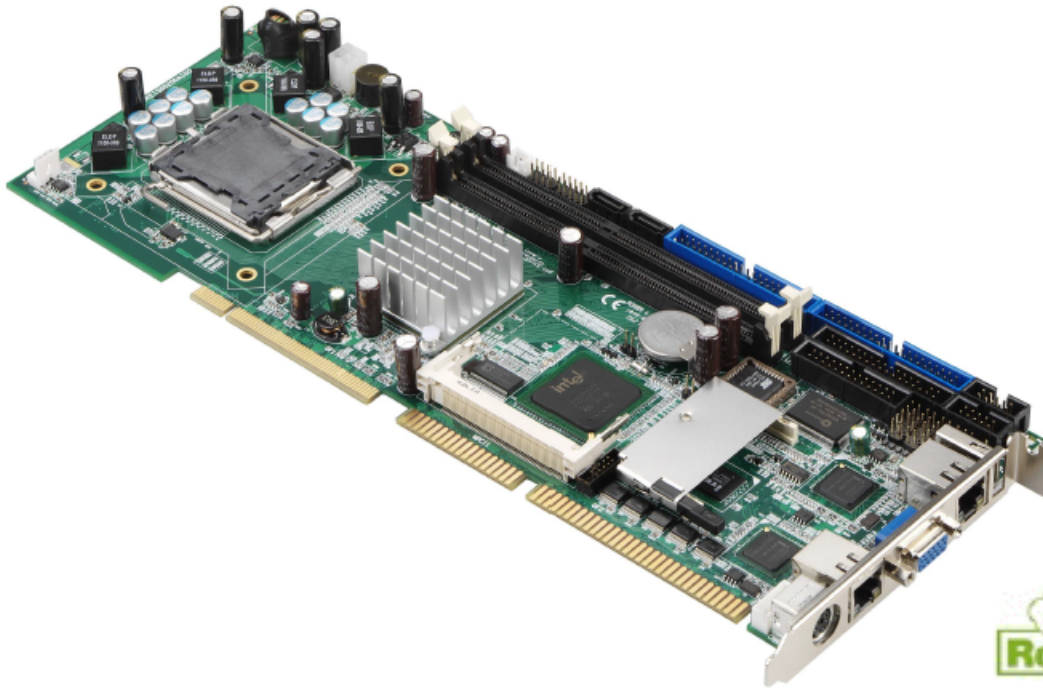


EIS-8020

Full-size PICMG 1.0 single-processor system host board
865G chipset and LGA 775 socket

ECS

Embedded Computer Source



- ☞ **Intel® Pentium® 4 or Celeron® D Processor on LGA775 socket Supports Hyper-Threading Technology**
- ☞ **400/533/800MHz Front Side Bus**
- ☞ **Dual Channel DDR 333/400 up to 2GB**
- ☞ **Onboard GbE LAN, USB 2.0 and SATA**
- ☞ **CompactFlash, Mini PCI, COM x2**

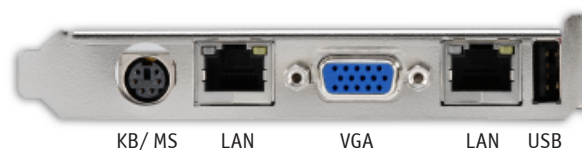
EIS-8020

Full-size PICMG 1.0 single-processor system host board
with Intel® 865G chipset

Technical Information

Specifications	Full-size PICMG 1.0 Single Board Computer PCI Local Bus Specification, Rev 2.2 compliant
Processors	Single Processor with Intel® Land Grid Array 775 (LGA775) package Intel® Pentium® 4 Processor (Series 5/6, 805, 820), Celeron® D 400/533/800MHz Front Side Bus; up to 2MB L2 cache Auto-selection of CPU frequency and core voltage Intel Hyper-Threading Technology supported
Chipsets	Intel® 865G Graphic Memory Controller Hub (GMCH) Intel® I/O Controller Hub 5 (ICH5)
BIOS	Support for 4 Mb Firmware Hub. BIOS write protection provides anti-virus capability DMI BIOS Support Supports system soft power-off (via ATX power supply) Supports PXE Remote Boot
System Memory	Dual Channel DDR 333/400MHz 2 DIMM slots, maximum 2GB
Graphics	Intel Extreme Graphics 2, resolution up to 2048 x 1536 at 75Hz GMCH analog RGB output on rear bracket
Form Factor	PICMG 1.0 Full-size Single Board Computer Dimensions: 338.6mm (L) x 122mm (W) (13.33"x4.8")
PCI Support	PCI Golden Fingers Mini PCI card slot x1

Bus on PICMG 1.0	Supports ISA, I/O, IRQ, DMA & bus master Supports PCI bus (32-bit at 33MHz)
Clock Generator	Integrated Circuit Systems ICS952607 (CK410)
I/O controller	W83627HF LPC Super I/O controller
On-board LAN	Onboard Gigabit + Fast Ethernet - Intel® 82541PI/82562EZ 2 RJ-45 ports on rear bracket
Peripheral Support	Two IDE channels support four Ultra ATA 100/66/33 devices One CompactFlash I/II port via Secondary IDE Supports 2 Channels SATA 1.5 Gb/s Supports 7 ports USB v2.0 (one on bracket, 6 internal) One Mini PCI card slot One internal AC'97 interface connector Two 16550 UART compatible serial ports with ESD protection One internal bi-direction parallel port with SPP/ECP/EPP mode One internal Floppy port KB/MS on rear bracket, internal PS/2 Keyboard
Watchdog Timer	1-255 step (sec/min), can be set with software on Super I/O
Miscellaneous	Voltage, fan and CPU temperature monitoring



Product Information

Article	Part No.	Description
EIS-8020	BFIS8020-001000T	Full-size PICMG 1.0 single-processor system host board with Intel® 865G chipset and LGA775 socket, VGA, Gigabit + Fast Ethernet, Mini PCI, CF, USB 2.0, SATA
EIS-8020VL	BFIS8020-011000T	Full-size PICMG 1.0 single-processor system host board with Intel® 865G chipset and LGA775 socket, VGA, Single Fast Ethernet, USB 2.0, SATA
CPU Cooler	0H05CPU92926500L	Standard CPU cooler for LGA775 socket (92x92x65.6mm)
CPU Cooler (slim)	0H05CPU93932900L	Slim CPU cooler for LGA775 socket (93x93x29.5mm)
Cooler Retention Plate	0H05HSEBWN77500L	Retention Plate for CPU cooler
AC'97 Daughter Board	BBDB1000-011000T	AC'97 daughter board with bracket (ALC850)

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