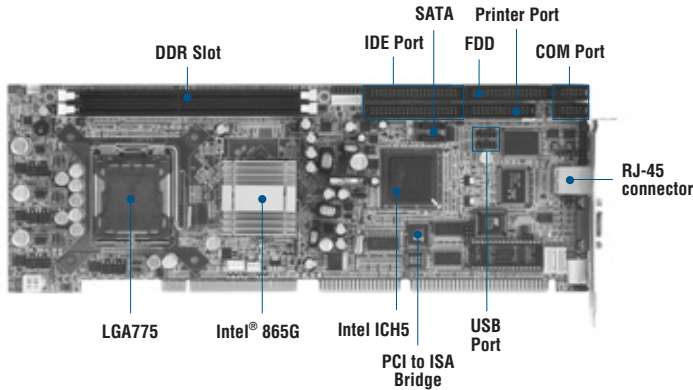


SBC81202

LGA775 Socket Intel® Pentium® D/Pentium® 4/Celeron® D
PICMG 1.0 Full-size SBC with CRT/Gigabit LAN



Industrial PCs



Industrial Motherboards

PICMG Single Board Computers

Backplanes

Industrial Computer Chassis

Power Supplies

Peripherals & Accessories

Features

- ▶ LGA775 Socket for Intel® Pentium® D/Pentium® 4/ Celeron® D desktop processor with FSB 533/800MHz
- ▶ Two DDR DIMM slots support up to 2GB memory capacity
- ▶ Two Serial ATA ports support data transfer rate up to 150MB/s

Ordering Information

SBC81202VG	LGA775 socket Intel® Pentium® D/Pentium® 4/ Celeron® D PICMG 1.0 full-size SBC w/ VGA, Gigabit LAN
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Packing List

Description
FDD cable x 1
IDE HDD Cable x 1
Serial ATA Cable x 1
Jumper Pack x 1
Quick Manual x 1
Utility CD x 1

Optional Accessories

E9C900B001	LGA775 P4 cooler 3 pin H:66.8mm (RC)
593826A0000E	SATA signal cable 500mm (red RC)
593836A0030E	4 pin power cable to SATAx2 L=150m (RC)
5938A808010E	2 port USB cable (190mm)

Specifications

Processor/Cache (LGA775)	Intel® Pentium® D processor up to up-to-date frequency with L2 cache integrated in CPU Intel® Pentium® 4 processor up to up-to-date frequency with L2 cache integrated in CPU Intel® Celeron® D processor up to up-to-date frequency with L2 cache integrated in CPU
Chipset	Intel® 865G+ICH5
FSB Speed	533/800 MHz
Form Factor	PICMG 1.0 full-size SBC
System Memory	Two DDR DIMM slots support dual channel DDR 266/333/400 The maximum memory capacity could be up to 2GB
BIOS	Award 4Mbit PnP Flash BIOS
EIDE	Two ATA66/100/133 channels for a total of four IDE devices
Super I/O	Controller: Winbond W83627HG-AW x 2 Serial port: 2 ports for RS-232 (COM1 and COM2) Parallel port: One bi-directional with ECP/EPP/SPP supports (by pin-header) Floppy controller: Supports two drives (1.44MB for each)
USB	4 USB 2.0 high speed compliant
Serial ATA	Supports serial ATA Two serial ATA channels for a total of six serial ATA hard drive Maximum transfer rate could be up to 150MB/sec
Display	Integrated on Intel® 865GMCH (for CRT only)
Ethernet	LAN1: Realtek RTL8110C Ethernet controller supports 10/100/1000Mb Wake On LAN support
Connectors	RJ-45 connector: 1 port for SBC81202VG Mini-Din connector for PS/2 mouse and keyboard SATA port: 2 x SATA connector Box-header: 2 x serial port (2 x 5-pin); 1 x parallel port (2 x 13-pin); 1 x FDD (2 x 17-pin); 1 x EIDE (2 x 20-pin) Pin-header: 4 x USB (4 ports by pin-header) Power connector: 2 x 2-pin for 12V connector Keyboard/mouse: 5-pin wafer connector x 2 for mouse or keyboard D-Sub connector: DB-15 for VGA, fan connector x 2
Hardware Monitoring	Controller: Winbond W83627HF-AW Detection of CPU temperature, system temperature, power failure and fan speed
Watchdog Timer	System reset or non-maskable interrupt software programmable time internal and jumper selectable (1-256 level)
Other Features	Built-in ITE8888G for ISA Devices
OS Compatibility	Windows® 2000, Windows® XP, Novell Netware; Linux kernel 2.4 or above
Mechanical	338 x 122mm 6 layer PCB
Environmental	Operating Temperature: 0°~60°C (32°~140°F)-Depend on CPU Relative Humidity: 95%, non-condensing at temperature of 40°C or 104°F