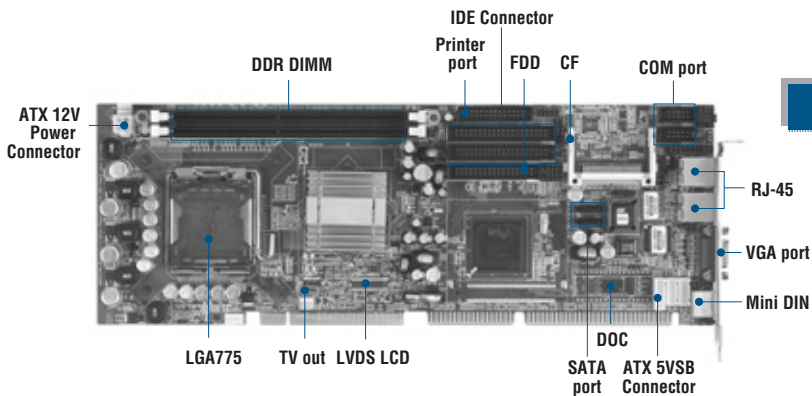


SBC81200

LGA-775 Socket Intel® Pentium® D/Pentium® 4/Celeron® D
PICMG 1.0 Full-size SBC with CRT/LAN/Audio/CF

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Industrial PCs



Features

- ▶ LGA-775 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
- ▶ CompactFlash™ Type II Socket onboard (optional function)
- ▶ Mini-PCI Socket onboard (optional function)
- ▶ LVDS function onboard (optional function)

Specifications

Processor/Cache (LGA-775)	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: 1 port for RS-232 (COM2) and 1 port for RS-232/422/485 (COM1) Parallel port: One bi-directional with ECP/EPP/SPP support (by pin-header) Floppy controller: Supports two drives (1.44MB for each) Keyboard/Mouse: 2 x 6-pin wafer connector for mouse or keyboard
USB	4 USB 2.0 High speed compliant
Serial ATA	Support serial ATA Two serial ATA channels for a total of six serial ATA hard drives Maximum transfer rate could be up to 150MB/sec
Display	Integrated on Intel 865GMCH (For CRT Only) Graphic memory
Ethernet	LAN1/LAN2: Intel® 82547PI/Intel® 82562ET (for SBC81200VGA only) LAN1: Intel® 82547PI Ethernet controller supports 10/100/1000Mb (for SBC81200VGA only) Wake On LAN support PXE 2.0 function(optional function)
Connectors	RJ-45 connector: 2 ports for SBC81200VGE/1 port for SBC81200VG/VG Mini-Din connector for PS/2 mouse and keyboard Mini-PCI connector for Mini-PCI devices (MOQ: 50 pcs) 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); 2 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
Onboard SSD	One CompactFlash™ Type-II socket (optional function)
Audio	Realtek ALC202A Audio codec onboard
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)

Specifications

OS Compatibility	Windows® 2000, Windows® XP, Novell Netware, Linux Red Hat
Mechanical	338.22 x 141.93mm 6 layer PCB Compliant to PICMG1.0 Rev2.0 Standards
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

Ordering Information

Models	Description
SBC81200VGE	LGA-775 socket Intel® Pentium® D/Pentium® 4/ Celeron® D PICMG 1.0 full-size SBC w/ VGA, audio, dual LAN
SBC81200VG	LGA-775 socket Intel® Pentium® D/Pentium® 4/ Celeron® D PICMG 1.0 full-size SBC w/ VGA, audio, Gigabit LAN
SBC81200VE	LGA-775 socket Intel® Pentium® D/Pentium® 4/ Celeron® D PICMG 1.0 full-size SBC w/ VGA, audio, 10/100 LAN

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

Industrial Motherboards

PICMG Single Board Computers

Backplanes

Industrial Computer Chassis

Power Supplies

Rackmount Peripherals & Accessories