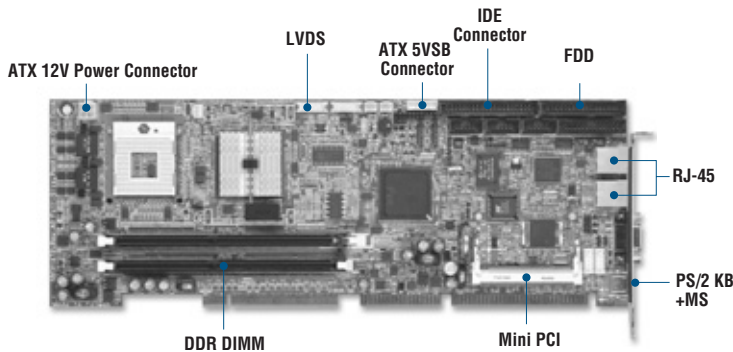


SBC81872

Socket 479 Intel® Pentium® M PICMG 1.0 Full-size SBC w/ PCI-Express LAN

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Industrial PCs



Industrial Motherboards

PICMG Single Board Computers

Backplanes

Industrial Computer Chassis

Power Supplies

Peripherals & Accessories

Specifications

Processor/Cache (Socket 479)	Intel® Pentium® M processor up to up-to-date frequency with L2 cache integrated in CPU Intel® Celeron® M processor up to up-to-date frequency with L2 cache integrated in CPU
Chipset	Intel® 915GM+ICH6M
FSB Speed	400/533MHz
Form Factor	PICMG 1.0 full-size SBC
System Memory	Two 184-pin 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-AWx2 Serial port: 1 port for RS-232/422/485 (COM2) and 1 port for RS-232 (COM1) Parallel port: One bi-directional with ECP/EPP/SPP support Floppy controller: Supports two drives (1.44MB for each) Keyboard/Mouse: 6-pin Mini-DIN connector for mouse or keyboard
USB	4 USB 2.0 high speed compliant
Serial ATA	Supports serial ATA Two serial ATA channels for a total of two serial ATA hard drives Maximum transfer rate could up to 150MB/sec
Display	Integrated on Intel® 915GM (for CRT only)
Ethernet	LAN1/LAN2: Broadcom BCM5721 (for SBC81872V2G only) LAN1: Realtek RTL8110S Ethernet controller supports 10/100/1000Mb (for SBC81872VG) LAN2: Realtek RTL8110C Ethernet controller supports 10/100Mb (for SBC81872VE) Wake On LAN support
Connectors	RJ-45 connector: 2 ports for SBC81872V2G/1 port for SBC81872VG and SBC81872VE 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 3 (for CPU/system/chassis)
Onboard SSD	One CompactFlash™ Type-II socket (optional function) Resolution Single Display Mode: CRT: 2048 x 1536 @ 75Hz

Features

- ▶ Socket 479 for Intel® Pentium® M Mobile Processor with FSB 400/533MHz
- ▶ Two 184-Pin 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
- ▶ LVDS function onboard

Specifications

Hardware Monitoring	Controller: Winbond W83627HF-AW Detection of CPU temperature, system temperature, power failure and fan speed
Other Features	Built-in ITE8888F for ISA devices
Watchdog Timer	System reset or non-maskable interrupt software programmable time internal and jumper selectable (1-256 level)
OS Compatibility	Windows® 2000, Windows® XP, Novell Netware, Linux kernel 2.4 or above
Mechanical	338 x 122mm 8 layer PCB
Environmental	Operating Temperature: 0° ~60°C (32° ~140°F) Relative Humidity: 95%, non-condensing at temperature of 40°C or 104°F

Ordering Information

SBC81872V2G	Socket 479 Intel® Pentium® M PICMG 1.0 full-size SBC w/ VGA, audio, dual Gigabit LAN
SBC81872VG	Socket 479 Intel® Pentium® M PICMG 1.0 full-size SBC w/ VGA, audio, Gigabit LAN
SBC81872VE	Socket 479 Intel® Pentium® M 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	