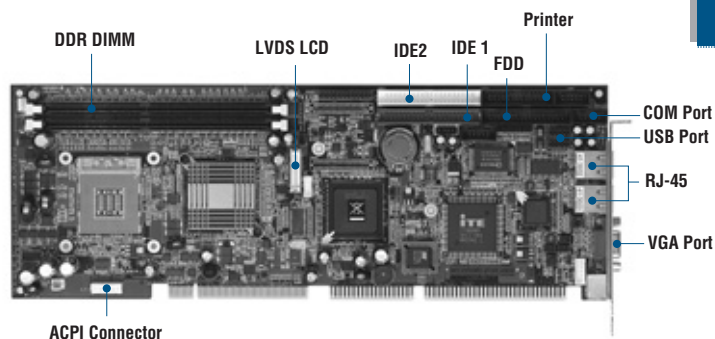


SBC81870

Socket 479 Intel® Pentium® M PICMG 1.0 Full-size SBC with VGA/LAN/Audio



Features

- ▶ Socket 479 for Intel® Pentium® M mobile processor with FSB 400MHz
- ▶ Two 184-Pin DDR DIMM slots support up to 2GB memory capacity
- ▶ CompactFlash™ socket onboard
- ▶ Supports 4 USB 2.0 ports

Specifications

Processor/Cache (Socket 479)	Intel® Pentium® M processor up to up-to-date frequency with L2 cache integrated in CPU
Chipset	Intel® 855GME+ICH4
FSB Speed	400MHz
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-AW Serial port: 1 port for RS-232/422/485 (COM2) and 2 ports 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
Display	Integrated in Intel® 855GME
Ethernet	LAN1: Intel® 82562EM LAN2: Intel® 82541GI Wake On LAN support
Connectors	RJ-45 connector: 2 ports for SBC81870VGE Mini-Din connector for PS/2 mouse and keyboard 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); 1 x 6-pin ACPI connector; Pin-header: 4 x USB (4 ports by pin-header) Keyboard/Mouse: 5-pin wafer connector x 2 for mouse or keyboard Fan connector x 1
Onboard SSD	CompactFlash™ socket 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 (16 level)
Other Features	Built-in ITE 8888F for ISA devices
OS Compatibility	Windows® 2000, Windows® XP; Novell Netware, Linux Red Hat
Mechanical	338 x 122mm 6 layer PCB Compliant to PICMG Rev2.0 standard (Support 64 bit Backplane)
Environmental	Operating Temperature: 0°~60°C (32° ~140°F) Relative Humidity: 95%, non-condensing at temperature of 40°C or 104°F

Ordering Information

Models	Description
SBC81870VGE	Socket 479 Intel® Pentium® M PICMG 1.0 full-size SBC w/ VGA, audio, dual 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