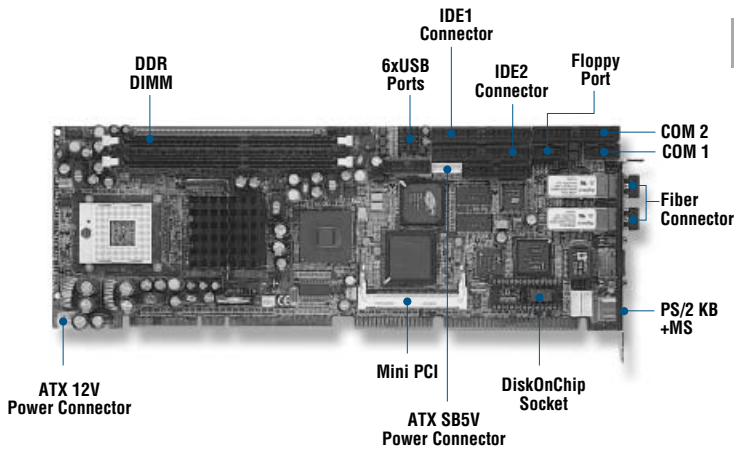


# SBC81871V2FG

Intel® Pentium® M SBC with DDR/CRT/Triple Gigabit LAN



## Specifications

Processor/Cache	Intel® Pentium®/M Celeron® M processors up-to-date frequency with L2 cache integrated in CPU up to 1.8GHz and latest
Chipset	* Intel® E7501 chipset supports PCI-X * Intel® FW82801DB(ICH4)
System Memory	Two 184-pin DDR DIMMs sockets support max. up to 4GB Register ECC memory
BIOS	Award 4Mbit PnP Flash BIOS
EIDE	Two ATA-100 Channels for a total of four IDE devices
Super I/O	* Controller: Winbond W83627HF-AW * Serial Ports: Two asynchronous, 1 x RS-232 and 1 x RS-232/422/485, 2 x 10-pin * Parallel Port: One bi-directional with ECP/EPP/SPP support, 26-pin * Floppy Controller: Support for two drives(1.44MB for each) * Keyboard/Mouse: 6-pin Mini-DIN connector for mouse or keyboard
USB	Six USB ports (2.0)
VGA	* ATI RageXL Graphic Chipset * Graphic memory: 8MB RAM
LAN	* LAN1 and LAN2: Intel® 82546 Ethernet controller supports 10/100/1000MB (For fiber using small form factor, multiple mode 850nm fiber transceiver. Data link up to 500m by 50/125um MMF; link up to 300m by 62.5/125um MMF. It can support copper also.) * LAN3: Intel® 82540 Ethernet controller(32-bit) support 10/100/1000Mb. * Intel® 10/100Mb controller can be deployed in same location as an option * Teaming feature support: Load sharing, load balancing and fail over Wake On LAN support
Connectors	* Mini-DIN: 1 x PS/2 Mouse and PS/2 Keyboard * Mini-PCI: 1 x Mini-PCI connector * RJ-45: 2-port for V2G * Box-header: 1 x CRT(2 x 8-pin);2 x Serial Ports(2 x 5-pin); 1 x FDD(2 x 17-pin) 2 x EIDE(2 x 20-pin); 1 x Parallel Port(2 x 13-pin) * Pin-header: 6 x USB(2 x 5-pin) * Wafer: 1 x Keyboard(1 x 5-pin); 1 x Mouse(1 x 5-pin) * Power Connector: 1 x (6-pin) ATX SB5V
SSD	DiskOnChip® supported
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 interval and jumper selectable(64-level)
Other Features	* ITE 8888 PCI-ISA Bridge for ISA expansion solutions * Keyboard Wake-up via ATX power supply
OS Compatibility	PC and MS-DOS™; Windows® 98; Windows® NT 4.0, Windows® 2000, Windows® XP; Novell Netware Linux Red Hat 338 x 122mm(13.3" x 4.8")
Mechanical	Compliant to PICMG Rev.2.0 standard (support 64-bit backplane)
Environmental	Operating temperature: 0°C to 60°C (32° to 140°F) Relative humidity: 95%, non-condensing at temperature of 40°C or 104°F

## Features

- ▶ Intel® Pentium® M Celeron®/M processor supports FSB up to 400MHz
- ▶ Intel® E7501 chipset supports PCI-X
- ▶ Two 184-pin DDR DIMM sockets support up to 4GB Register ECC memory
- ▶ Onboard ATI RageXL Graphic integrated 8MB RAM
- ▶ Onboard triple LAN, each supports 10/100/1000BASE-T(One Port can support copper, another port can support multi-mode fiber, base on PCI-X bus)
- ▶ Onboard Mini PCI connector for flexible feature expansion
- ▶ ITE 8888 PCI-ISA bridge for ISA expansions with ISA high drive supported
- ▶ Supports USB 2.0 6 ports
- ▶ Supports PCI-X Devices

## Ordering Information

Models	HISA	VGA	SCSI	LAN
SBC81871V2G	V	V	Option	Gigabit x 2
SBC81871V2F (with MoQ restriction)	V	V	Option	Fiber x 2
SBC81871VG	V	V	Option	Gigabit x 1
SBC81871VE	V	V	Option	10/100Mbps x 1
SBC81871V2FG (with MoQ restriction)	V	V	Option	Gigabit x 3 (2 x fiber; 1 x copper)
SBC81871V2FE (with MoQ restriction)	V	V	Option	10/100Mbps X1 Gigabit x2 (2 x fiber)

## Optional Accessories

USB cable
AX8931A mini PCI IDE controller module
AX89330 mini PCI Gigabit Ethernet module
AX89331 mini PCI Fast Ethernet module
AX92210 mini PCI IEEE 1394 module
AX92500 MINI PCI network DES module

## Packing List

3.5" FDD cable x 1
3.5" HDD cable x 1
COM, printer extension cable with bracket x1
PS/2 keyboard/mouse adapter x1
Jumper pack x1
Quick manual x1
Utility CD x1
CPU Coler 81
VGA cable with bracket 81
Only for SBC81871V2 FG1LV2FE