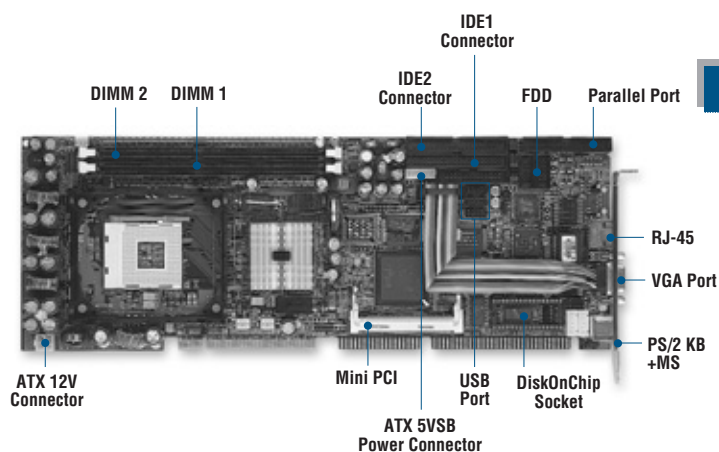


SBC81822

Socket 478 Intel® Pentium® 4/Celeron® PICMG 1.0 Full-size SBC with VGA/Gigabit LAN



Features

- ▶ Socket 478 for Intel® Pentium® 4/Celeron® D desktop processor with FSB 400/533MHz
- ▶ Two DDR DIMM slots support up to 2GB memory capacity
- ▶ Mini-PCI Socket onboard
- ▶ LVDS function onboard (Optional function)
- ▶ Built-in Audio Codec onboard (Optional function)

Specifications

Processor/Cache (Socket 478)	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® 845GV+ICH4
FSB Speed	400/533 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 Serial port: 1 port for RS-232 and 1 port for RS-232/422/485 Parallel port: One bi-directional with ECP/EPP/SPP support (by pin-header) Floppy controller: Supports two drives (1.44MB for each) Keyboard/Mouse: 6-pin Mini-DIN connector for mouse or keyboard
USB	6 USB 2.0 high speed compliant
Display	Integrated on Intel® 845GV (for CRT only)
Ethernet	LAN1/LAN2/LAN3: Intel® 82541PI Ethernet controller supports 10/100/1000Mb (for SBC81822V3GAL only) LAN1: Intel® 82562ET Ethernet controller supports 10/100/1000Mb (for SBC81822VE only) Wake On LAN support
Connectors	RJ-45 connector: 3 ports for SBC81822V3GAL/2 ports for SBC81822V2E/1 port for SBC81822VE Mini-Din connector for PS/2 mouse and keyboard Mini-PCI connector for Mini-PCI devices 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 audio port (2 x 5 pin); 1 x LVDS connector (for SBC81822VEL only); 1 x CRT connector (2 x 8-pin) 1 x FDD (2 x 17-pin); 1 x 6-pin ACPI connector; 6 x USB port (2 x 5-pin) Power connector: 2 x 2-pin for 12V connector Keyboard/Mouse: 5-pin wafer connector x 2 for mouse or keyboard fan connector x 3 (for CPU/system/chassis)
Onboard SSD	DiskonChip® support (optional function)
Audio	Realtek ALC202A audio codec onboard (for SBC81822VEA only)
Hardware Monitoring	Controller: Winbond W83627HF-AW Detection of CPU temperature, system temperature, power failure and fan speed
Other Feature	Built-in ITE8888F for ISA Devices
Watchdog Timer	System reset or non-maskable interrupt software programmable time internal and jumper selectable (64level)
OS Compatibility	Windows® 2000, Windows® XP, Novell Netware, Linux Red Hat
Mechanical	338 x 122mm 6 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

Models	Description
SBC81822V3 GAL	Socket 478 Intel® Pentium® 4/Celeron® D PICMG 1.0 full-size SBC w/ VGA, audio, three Gigabit LAN (MOQ: 50 pcs)
SBC81822V2E	Socket 478 Intel® Pentium® 4/Celeron® PICMG 1.0 full-size SBC w/ VGA, dual Ethernet LAN
SBC81822VE	Socket 478 Intel® Pentium® 4/Celeron® PICMG 1.0 full-size SBC w/ VGA, Ethernet LAN
SBC81822VG	Socket 478 Intel® Pentium® 4/Celeron® PICMG 1.0 full-size SBC w/ VGA, Gigabit LAN (MOQ: 50 pcs)
SBC81822VEL	Socket 478 Intel® Pentium® 4/Celeron® PICMG 1.0 full-size SBC w/ VGA, Ethernet LAN, LVDS
SBC81822VEA	Socket 478 Intel® Pentium® 4/Celeron® PICMG 1.0 full-size SBC w/ VGA, Ethernet LAN, audio (MOQ: 30 pcs)

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