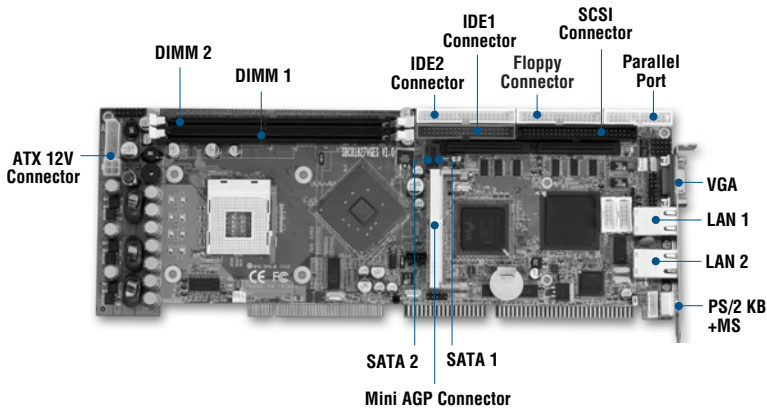


SBC81827

Socket 478 Intel® Pentium® 4/Celeron® SBC with DDR/VGA/LAN



Features

- ▶ Socket 478 for Intel® Pentium® 4 processor supports Intel® Hyper-Threading technology
- ▶ Two 184-pin DDR DIM sockets support up to 2GB
- ▶ Intel® 865G integrated video function
- ▶ Onboard dual LAN (one is Gigabit Ethernet, the other one is 10/100Mbps)
- ▶ Supports optional dual channel Ultra-320 SCSI
- ▶ Two serial ATA connectors
- ▶ CompactFlash™ Type-II socket

Specifications

Processor/Cache	* Intel® Pentium® 4/ Celeron® processors at 400/533/800 MHz FSB (100/133/200MHz x 4) * Supports Intel Hyper-Threading Technology
Chipset	Intel® 82865G and 82801EB ICH5
System Memory	Two 184-pin DDR DIMMs sockets support max. up to 2GB
BIOS	Phoenix-Award 4Mbit PnP flash BIOS
EIDE	Two ATA-100 channels
Supper I/O	* Controller: Intel® 82801EB ICH5 and Winbond W83627HF-AW LPC * Serial Ports: Two RS-232 serial ports * Parallel Port: One bi-direction parallel port with SPP/ECP/EPP mode * Floppy Controller: Support for two drives * Keyboard/Mouse: PS/2 keyboard and mouse ports, AT keyboard port
USB	Four USB ports (2.0)
IrDA	One IrDA compliant Infrared interface supports SIR
VGA	* Intel® 865G GMCH built-in Intel Extreme Graphic 2 * Intel® Dynamic Video Memory with auto detect video memory up to 64 MB shared with system memory
LAN	* LAN1: Intel® 865G with Intel 82547EI CSA supports 10/100/1000Base-T * LAN2: Intel® ICH5 with 82562ET PHY supports 10/100Base-T
SCSI	Optional dual channel Ultra-320 SCSI adapter, supports up to 15 SCSI devices each channel
Audio	Intel® ICH5 built-in AC'97 3D audio controller with codec (Line-in, Line-out, CD-in, Mic-in)
SSD	* DiskOnModule supported * CompactFlash™ Type-II socket
Watchdog Timer	System reset programmable watchdog timer with 1 to 255 sec./min. of time out value
Other Features	* Serial ATA: Two serial ATA connectors, data transfer rate up to 150MB/s * ISA High Drive: ISA 64mA high drive capacity with TI 245 buffer on both of ISA address and data bus * Mini AGP Port: Provide the capable of driving an ADD card to support LVDS/TMDS/TV/HDTV devices * Provide the capable of driving Mini AGP card to support AGP 8X/4X graphic card
Mechanical	338 x 122mm (13.3" x 4.8") compliant to PICMG erv.2.0 standard
Environmental	+5V, +12V _{DC} input from PICMG backplane Operating temperature: 0°C ~ 60°C (32°F ~ 140°F, depends on CPU's speed) Storage temperature: -20°C ~ 85°C (-4°F ~ 185°F)

Ordering Information

Models	SCSI	LAN
SBC81827VE	X	1 x 10/100Mbps
SBC81827VG	X	1x Gigabit
SBC81827VGE	X	1 x Gigabit & 1 x 10/100Mbps
SBC81827VGS (with MOQ restriction)	V	1x Gigabit
SBC81827VGES (with MOQ restriction)	V	1 x Gigabit & 10/100Mbps

Packing List

3.5" FDD x 1
COM/LPT port DB9/DB25 cable x 1 (VG/VE only)
Two COM ports DB9 cable x 1 (VGE/VGES only)
LPT port DB25 cable x 1 (VGE/VGES only)
PS/2 keyboard and mouse cable x 1
Dual-USB port cable with bracket x 2
40-pin UltraATA/100 IDE cable x 2
Serial ATA cable x 1
Audio cable x 1
Quick manual x 1
Utility CD x 1