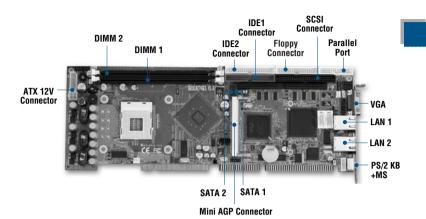
SBC81827

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



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 LPG		
	* 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)		

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

Ordering Information

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