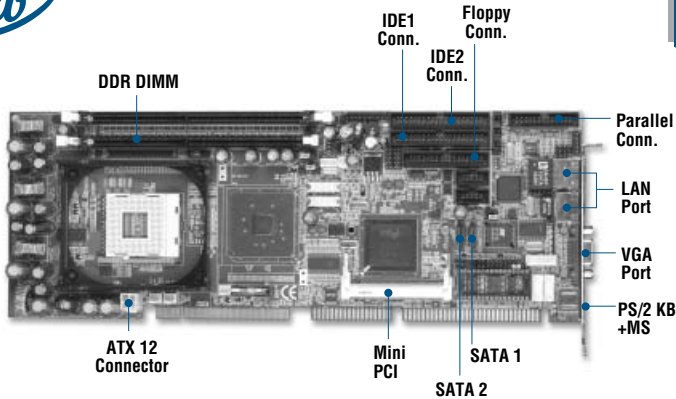


# SBC81829VGE

Socket 478 Intel® Pentium® 4/Celeron® SBC with DDR/CRT/LCD/Dual LAN

*New*



## Specifications

Processor/Cache	* Intel® Pentium® 4/Celeron® processors at 400/533/800 MHz FSB(100/133/200MHz x4) * Supports Intel Hyper-Threading Technology
Chipset	* Intel® 82865G FSB 400/533/800 MHz * Intel® 82801 ICH5
System Memory	* Two 184-pin DDR DIMMs sockets support max. up to 2GB * Unbuffer ECC Memory (DDR266/DDR333/DDR400), Dual channel supported
BIOS	Award 4Mbit PnP Flash BIOS
EIDE	Two ATA-100channels for a total of four IDE devices
Super I/O	* Controller: Winbond W83627THF-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 * IrDA: 5-pin SIR port * Floppy Controller: Support for two drives (1.44MB for each) Keyboard/Mouse: 6-pin Mini-DIN connector for mouse or keyboard
USB	Two USB ports ( 2.0)
IrDA	One IrDA compliant Infrared interface supports SIR
VGA	* Intel® 865GV chipset internal VGA Graphic memory: share memory with system main-memory
LAN	* LAN1: Intel® 82547EI CSA support 10/100/1000Base-T * LAN2: Intel® 82562ET PHY support 10/100Base-T
Connectors	* RJ-45: 2-port for VGE, 1-port for VE or VG * Box-header: 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); 2 x FAN( 2 x 3-pin) ; 1 x CD-in (1 x 4-pin) 1 x CRT(2 x 8pin); 1 x LVDS( 2 x 22-pin, optional) * Pin-header: 2 x USB (2 x 5-pin); 1 x AUDIO(2 x 5-pin); 1 x General Output(2 x 10-pin) * Serial ATA 2 x serial ATA * Wafer:1 x Keyboard (1 x 5-pin) * Power Connector: 1x(2 x 2-pin) for CPU ATX12V ; 1 x (6-pin) ATX SB5V power connector
Audio	Intel® ICH5 built-in AC97 3D audio controller with codec
CompactFlash™	* CompactFlash™ supported
Hardware Monitor	* Controller: Winbond W83627THF-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 (255-level)
Other Features	* Winbond PCI/ISA bridge for ISA expansion solutions * 2-port SATA150 * ISA high drive supported * On board mini PCI socket for feature expansion * Optional support LVDS & TV OUT

## Features

- ▶ Socket 478 FOR Intel® Pentium® 4 processor supports 400/533/800MHz & Intel® Hyper-Threading Technology
- ▶ Two 184-pin DDR DIMMs sockets support max. up to 2GB Unbuffer ECC Memory
- ▶ Supports VGA with Intel® 865G controller
- ▶ Onboard Dual LAN(ONE Gigabit Ethernet)
- ▶ Supports optional LVDS & TV out
- ▶ Two serial ATA connectors
- ▶ CompactFlash™ Type-II socket
- ▶ AC '97 Codec

## Specifications

OS Compatibility	PC and MS-DOS™; Windows® 98; Windows® NT 4.0, Windows® 2000, Windows® XP; Windows® 2003, Novell Netware; Linux Red Hat
Mechanical	338 x 122mm(13.3" x 4.8") Compliant to PICMG Rev.2.0 standards
Environmental	Operating temperature: 0°C to 60°C (32° to 140°F) Storage temperature: -20°C to 85°C (-4° to 185°F)

## Ordering Information

Models	HISA	VGA	LAN
SBC81829VGE	V	V	1 x Gigabit & 1 x 10/100Mbps
SBC81829VG	V	V	1x Gigabit
SBC81829VE	V	V	1 x 10/100Mbps
SBC81829VGL (with MOQ restriction)	V	V (LVDS & TV OUT)	1 x Gigabit & 10/100Mbps
SBC81829VGL (with MOQ restriction)	V	V (LVDS & TV OUT)	1 x Gigabit
SBC81829VEL (with MOQ restriction)	V	V (LVDS & TV OUT)	1 x 10/100Mbps

## Optional Accessories

AX8931A mini PCI IDE controller module
AX89330 mini PCI Gigabit Ethernet modul

## Packing List

3.5" FDD cable x 1
3.5" HDD cable x 1
COM, printer extension cable with bracket x 1
PS/2 keyboard and mouse cable x 1
Dual-USB port cable with bracket x 1
Audio cable x 1
Serial ATA cable x 1
VGA cable with bracket x 1
(only for SBC81829VGL,SBC81829VGL,SBC81829VEL)
Jumper pack x 1
User manual x 1
Utility CD x 1