SBC81826

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

ATX 12V Connector
DDR DIMM
IDE1 Connector
IDE2 Connector
FDD
Parallel Port
COM Port
RJ-45
VGA Port
PS/2 KB +MS
SATA 1
SATA 2
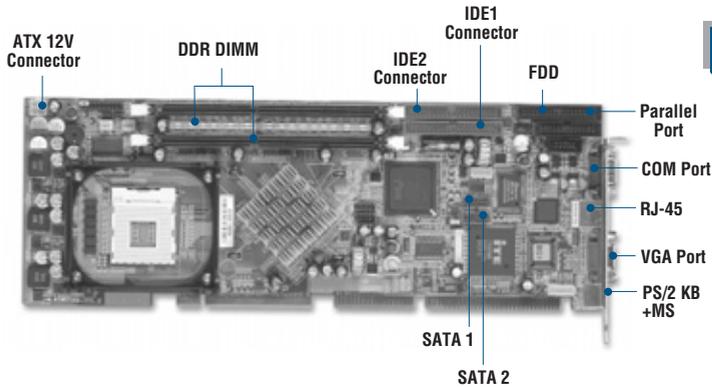
Features

RoHS

▶ **Socket 478 for Intel® Pentium® 4/Celeron® D desktop processor with FSB 533/800MHz**
▶ **Two DDR DIMM slots support up to 2GB memory capacity**
▶ **Two serial ATA ports support data transfer rate up to 150MB/s**

Specifications

Processor/Cache (Socket 478)	Intel® Pentium® 4 processor up to up-to-date frequency with L2 cache integrated in CPU Intel® Celeron® processor up to up-to-date frequency with L2 cache integrated in CPU
Chipset	Intel® 865G+ICH5
FSB Speed	533/800MHz
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: 2 x RS-232 port 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	4 USB 2.0 high speed compliant
Serial ATA	Supports serial ATA Two serial ATA channels for a total of six serial ATA hard drives Maximum transfer rate could be up to 150MB/sec
Display	Integrated on Intel® 865GMCH (for CRT only)
Ethernet	LAN1: Intel® 82547GI Ethernet controller supports 10/100/1000Mb Wake On LAN support
Connectors	RJ-45 connector: 1 port for SBC81826VG Mini-Din connector for PS/2 mouse/keyboard Box-header: 1 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 EIDE (2 x 20-pin); 1 x 4-pin ACPI connector; 4 x USB port (2 x 5-pin) Power connector: 2 x 2-pin for 12V connector Keyboard/Mouse: 5-pin wafer connector for mouse or keyboard fan connector x 2 (for CPU and system)
Hardware Monitoring	Controller: Winbond W83627HF-AW Detection of CPU temperature, system temperature, power failure and fan speed
Other Features	Built-in ITE8888F for ISA devices
Watchdog Timer	System reset or non-maskable interrupt software programmable time internal and jumper selectable (1-256 level)
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
SBC81826VG	Socket 478 Intel® Pentium® 4/Celeron® D PICMG 1.0 full-size SBC w/ VGA, audio, Gigabit LAN

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