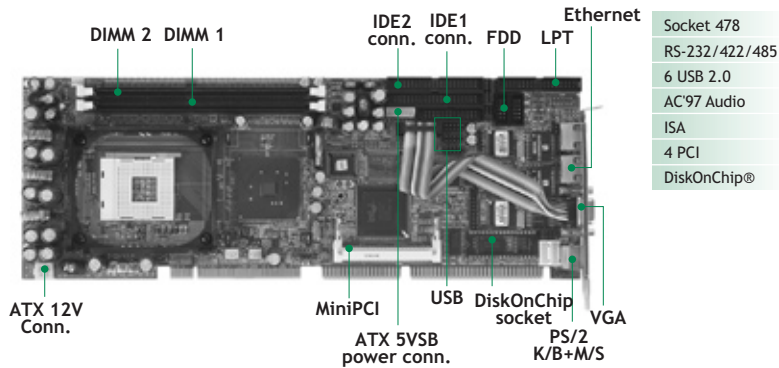


SBC81822

Socket 478 Intel® Pentium® 4 PICMG 1.0 Full-size CPU Card with Intel® 845GV+ICH4 Chipset, VGA, Dual LANs and Audio



System

CPU	Socket 478 for Intel® Pentium® 4/Celeron® processor with FSB 400/533 MHz
System Memory	2 x 184-in DDR-266/333 DIMM max. up to 2 GB
Chipset	Intel® 845GV+ICH4
BIOS	Phoenix-Award BIOS
SSD	DiskOnChip™ socket
Watchdog Timer	64 Levels, 0.5-1000sec.
Expansion Interface	* PCI with 4 bus masters * ISA with 16-bit bus
Battery	Lithium 3V/196mAH
Size	338 x 122mm
Temperature	0°C ~ +60°C (32°F ~ 140°F), operation
Operation Humidity	10% ~ 95% relative humidity, non-condensing

I/O

MIO	2 x IDE; PATA-100 1 x FDD 1 x PS/2 keyboard 1 x PS/2 mouse 1 x LPT; with SPP/EPP/ECP supported 1 x RS-232 (COM 1) 1 x RS-232/422/485 (COM 2)
SATA	N/A
Hardware Monitoring	Support CPU/System temperature, CPU/System voltage, and CPU/System fan features
Ethernet	* 1st port as 10/100Mbps supports Wake-on-LAN with Intel® 82562ET * 2nd port as 10/100Mbps supports Wake-on-LAN with Intel® 82551ER
Audio	AC'97 Codec audio as MIC-in/Line-in/Line-out with Realtek ALC202A (only for SBC81822VEA)
USB	6 x USB 2.0
SMBus	N/A

Features

- Socket 478 for Intel® Pentium® 4/Celeron® processor with FSB 400/533 MHz
- Intel® 845GV+ICH4 chipset
- 2 DDR DIMM support up to 2 GB memory
- Dual 10/100 Ethernet
- 16-bit ISA bus

Display

Chipset	Intel® 845GV GMCH integrated graphics engine
Memory Size	Dedicated frame buffer up to 64MB
Resolution	* VGA up to 2048 x 1536 @ 60 Hz with 32-bit color * LVDS up to 1600 x 1200
Output Interface	* VGA with D-sub 15-pin connector * LVDS with box-header (only for SBC81822VEL)

Packing List

Standard			
Quick installation guide, user's manual/utility CD, cable			
Cable			
Part Number	Description	SBC81822VEE Qty	SBC81822VE Qty
59380502000E	COM + Print cable w/ bracket	1	1
59381400000E	FDD flat cable	1	1
59381560000E	Mini DIN Y-cable for PS/2 K/B+M/S	1	1
59382601000E	Ultra DMA66 IDE cable 40-pin 455mm	1	1

Ordering Information

Standard	
SBC81822VEE	Socket 478 PICMG 1.0 full-size CPU card with VGA, dual 10/100Mbps and 6 USB (P/N: E381822101)
SBC81822VE	Socket 478 PICMG 1.0 full-size CPU card with VGA, 10/100Mbps and 6 USB (P/N: E381822105)
Optional	
SBC81822VEA	Socket 478 PICMG 1.0 full-size CPU card with VGA, 10/100Mbps, audio and 6 USB (P/N: E381822103)
SBC81822VEL	Socket 478 PICMG 1.0 full-size CPU card with VGA, LVDS, 10/100Mbps and 6 USB (P/N: E381822111)
5938A808010E	2 x USB port cable L=190mm
59383600000E	Audio cable

SBC Services and Solutions

System-on-a-Module Solutions

Embedded SBCs
> 5.25" Petit

Embedded SBCs
> EPIC

Embedded SBCs
> 3.5" Capa

Embedded SBCs
> Pico-ITX

Embedded SBCs
> PC/104

Industrial Motherboards

Slot CPU Cards

Accessories

Appendix