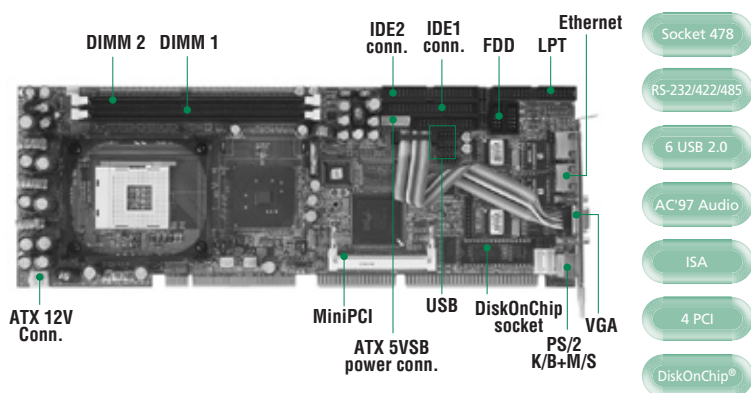


SBC81822

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



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

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 |

* W.T.: Wide Temperature

Display

| | |
|------------------|--|
| Chipset | Intel® 845GV GMCH integrated graphic 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 (P/N: E381822101) with VGA, 10/100Mbps and 6 USB |
| SBC81822VE | Socket 478 PICMG 1.0 full-size CPU card (P/N: E381822105) with VGA, 10/100Mbps and 6 USB |
| Optional | |
| SBC81822VEA | Socket 478 PICMG 1.0 full-size CPU card (P/N: E381822103) with VGA, 10/100Mbps, audio and 6 USB |
| SBC81822VEL | Socket 478 PICMG 1.0 full-size CPU card (P/N: E381822111) with VGA, LVDS, 10/100Mbps and 6 USB |
| 5938A808010E | 2 x USB port cable L=190mm |
| 59383600000E | Audio cable |