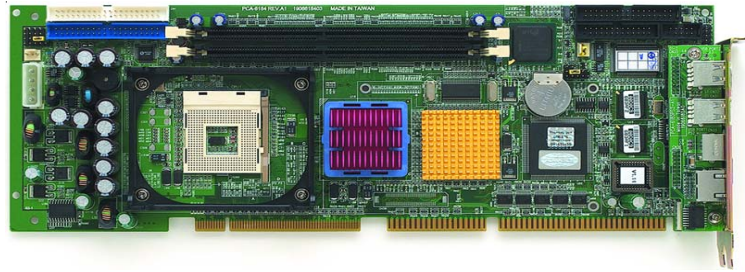


### Overview:

The **VRM-SBC-81825VEE** is a Socket 478 Pentium® 4/Celeron® SBC with DDR/VGA/Dual LAN.



### Features:

- Intel® 845E chipset supports FSB up to 400/533MHz
- Two 184-pin DIMM sockets support up to 2GB DDR SDRAM
- Supports ATA-100 EIDE for the fastest data/file transfer
- Onboard ATi RAGE Pro 128 4X (AGP 4X) VGA controller with 32MB SDRAM
- Onboard Dual LAN, each supports 10/100BASE-T
- Wake On LAN support; ISA high drive support

### Specifications:

- **Processor/Cache** – Intel® Pentium 4/ Celeron® processors up to-date frequency with L2 cache integrated in CPU
- **Chipset**- Intel® 845E
- **System Memory**- Two 184-pin DIMMs socket support max. up to 2GB of PC266/200 DDR SDRAM with ECC support
- **BIOS**- Award 4Mbit FWH
- **EIDE**- Two independent channels for a total of four IDE devices; ATA-100 support
- **Super I/O**- Serial port: two asynchronous, 2 x RS-232, 10-pin  
Parallel port: one bi-directional with ECP/EPP/SPP support, 26-pin  
Floppy Controller: support for two drives (1.44MB for each)  
Keyboard/Mouse: 6-pin Mini-DIN connector for mouse or keyboard  
One external 5-pin box-header for keyboard
- **USB**- Four USB ports for VEE version (1.1)  
Two USB ports for VE and V versions (1.1)
- **IrDA**- One IrDA pin-header for wireless communications
- **VGA**- Controller: ATi RAGE Pro 128 4XL (AGP 4X)  
Max. Resolution: 1600 x 1200 @ 64K colors  
Graphic memory: onboard 32MB SDRAM
- **LAN**- Controller: Integrated in dual Intel® 82559  
Supports Dual LAN, each with 10/100BASE-T, Dual RJ-45 output  
Wake on LAN support
- **Connectors**- D-type: LAN (RJ-45); PS/2 mouse and PS/2 keyboard  
Box-header: USB (1 x 10-pin); serial port (2x10-pin); parallel port (1 x 26-pin)  
FDD (1 x 34-pin); EIDE (2 x 40-pin); PS/2 keyboard (1 x 5-pin); power supply (1 x 2-pin)  
5V ATX Power connector (1 x 3-pin)



### Specifications (Continued):

- **Hardware Monitoring-** Detection of CPU temperature, CPU board temperature, voltages and fan speed
- **Watchdog Timer-** System reset or non-maskable interrupt software programmable time interval and jumper selectable ( 255-level)
- **Other Features-** ITE 8888 PCI/ISA Bridge for ISA expansion  
Keyboard/Mouse wake-up & modem ring-on via ATX power supply  
ISA high drive support
- **OS Compatibility-** PC and MS-DOS™; Windows®98; Windows® NT 4.0, Windows® 2000, Windows® XP;  
Linux Red Hat
- **MTBF-** GEM reports at least 59,000 hours
- **Mechanical-** 338 x 122mm (13.3" x 4.8")  
Conforms to PCI Rev. 2.1 and PICMG Rev. 2.0 standard
- **Environmental-** Operating Temperature: 0°C to 60°C (32°F to 140°F), depends on CPU's speed; storage temperature: -20°C to 70°C (14°F to 158°F) Relative humidity: 95%, non-condensing at temperature of 40°C or 104°F

### Ordering Options:

- **VRM-SBC-81825VEE:** HISA, VGA, Dual LAN
- **VRM-SBC-81825VE:** HISA, VGA, Single LAN
- **VRM-SBC-81827V:** HISA, VGA.

### Accessory Options:

- USB cable
- Slim P4 CPU Cooler