F845G/VE+

Socket 478 PICMG Card
for Pentium® 4 / Celeron™ Processor with VGA / LAN

Key-point:

> Socket 478 for Intel® Pentium® 4 / Celeron™ Processor, up to 3.06GHz

> Intel® 845GV Chipsets, 400 / 533 MHz FSB

> Chipset integrated VGA function

> Support 10/100 Base-TX Ethernet

> 4 x USB 2.0 ports

> WatchDog Timer, Hardware monitoring function & DOC

Specifications:

◎ **Processor:**
  ∗ Intel® Socket 478 Pentium® 4 / Celeron™ Processor
  ∗ Up to 3.06GHz

◎ **Core Logic:**
  ∗ Intel® 845GV + ICH4 chipsets

◎ **BIOS:**
  ∗ Award BIOS

◎ **Front Side Bus Speed:**
  ∗ 400 / 533 MHz

◎ **Memory:**
  ∗ Two 184-pins DDR DIMM
  ∗ Support DDR200/266 SDRAM, up to 2GB (max.)

◎ **Onboard VGA Controller:**
  ∗ Intel® 845GV chipset integrated VGA function

◎ **LAN Controller:**
  ∗ Intel® 82562EM, for 10 / 100 Base-TX, Support wake up on LAN

◎ **Onboard IDE:**
  ∗ Two EIDE channels for PIO Mode, DMA Mode
  ∗ Supports four ATA 100/66/33 IDE devices

◎ **Multi I/O:**
  Onboard Winbond® 83627HF chip, Support:
  ∗ 1 x IrDA by 5-pin pin-header
  ∗ 1 x Floppy Interface
  ∗ 1 x SPP / EPP / ECP parallel port by pin-header
  ∗ COM1 is RS-232
  ∗ COM2: RS-232 or RS-422/485 (jumper selectable)

◎ **WatchDog Timer:**
  ∗ 256 Levels software programmable

◎ **Keyboard / Mouse Connector:**
  ∗ 6-pins mini DIN for PS/2 type for Keyboard & Mouse
  ∗ 1 x 6-pin header connector for external Keyboard & Mouse

◎ **USB:**
  ∗ Onboard 4 x USB 2.0 ports by pin-headers (cable by optional)

◎ **SSD:**
  ∗ DIP socket supports M-System DiskOnChip® flash disks

◎ **Hardware Monitoring:**
  ∗ Winbond W83627HF chip, Monitoring for CPU and system temperature, voltage and fan speed

◎ **Environments:**
  ∗ Operation temperature: 0°C to 60°C (32°F to 140°F)
  ∗ Storage temperature: -20°C to 80°C (-68°F to 176°F)
  ∗ Relative humidity: 10% to 90% (Non-Condensing)

◎ **Certification:**
  ∗ CE, FCC Approval

◎ **Form Factor:**
  ∗ Full Size, PICMG compliance

◎ **Audio**
  ∗ No support

◎ **PC-104 connector:**
  ∗ No support

◎ **Dimensions (L x W):**
  ∗ 13.3" x 4.8" (338mm x 122mm)

*Specification is subject to change without prior notice

Ordering Information:

Model No.	Position	Support LCD	Support VGA	Support SCSI	Support LAN	Support Audio
F845G / VE+	Standard Product	---	Yes	---	Yes	---

I/O Bracket Layout