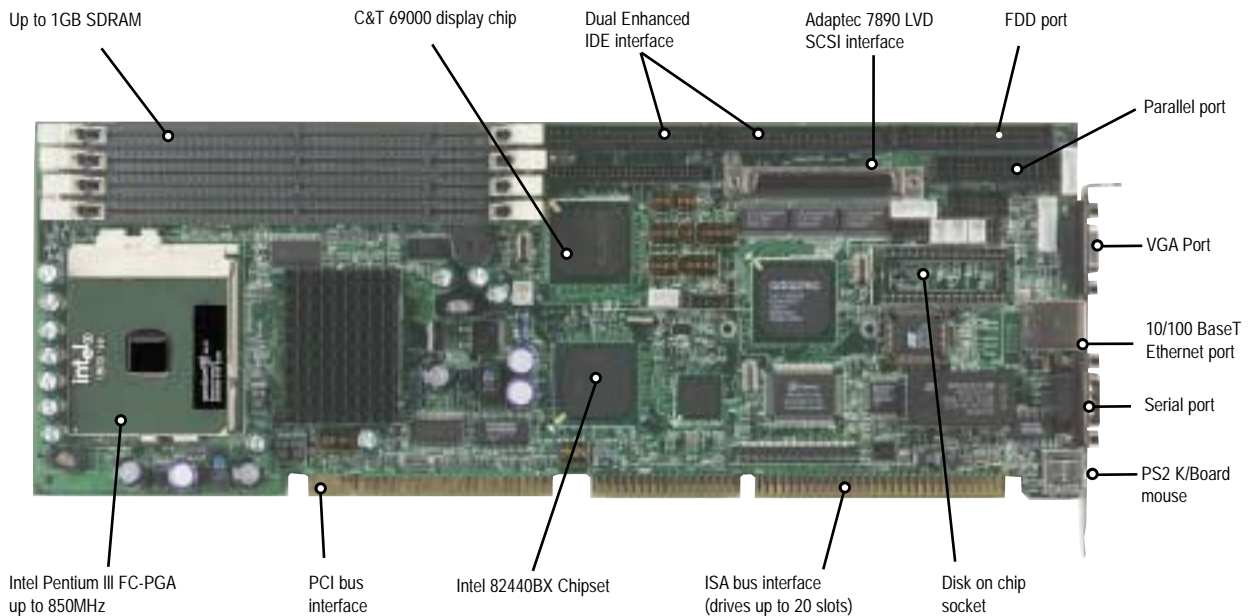


## MantaRay II/VL and MantaRay II+

Pentium III FC-PGA/Celeron w/Ethernet, SVGA & SCSI (II+)



### Ordering Information

#### MANTARAY II/VL

Celeron or Pentium III FC-PGA processor  
w/Ethernet and SVGA

#### MANTARAY II+

Celeron or Pentium III FC-PGA processor  
w/Ethernet, SCSI and SVGA

### Specifications

#### Microprocessor

- Pentium III FC-PGA/Celeron up to 850MHz
- 66/100MHz CPU bus clock

#### Chipset

- Intel 82440BX chipset

#### Dynamic Ram

- Up to 1GB
- 4 x 168 pin DIMM sockets
- SDRAM ECC supported

#### Cache

- 128K cache on Celeron CPU module
- 256K cache on Pentium III FC-PGA CPU module

#### BIOS

- Award system BIOS
- 2MB flash ROM

#### Watchdog Timer

- 1, 2, 4 to 254 second software programmable

#### Onboard I/O

- Winbond W83977 super I/O on board
- Dual USB ports

#### SVGA

- C&T 69000 VGA controller with 2MB embedded SDRAM
- Up to 1280 x 1024 @60MHz refresh rate

#### SCSI (only for Mantaray II+)

- Adaptec 7890 LVD SCSI controller
- Supports transfer rates up to 80MB per second

#### Ethernet

- Intel 82559 LAN controller
- 10 Base T/100 base TX, full duplex

#### Disk On Chip

- Disk on chip socket fully supports up to 144MB

#### Connections

- LVD SCSI header
- Dual enhanced IDE
- Serial port 16550 UARTS
- Floppy header
- PS2 keyboard and mouse header
- Dual USB connector

#### System monitoring

- Winboard W83782D system monitor controller
- Dual temperature
- Voltage monitoring +3.3V, +5V, +12V, -12V

#### Power Requirements

- (+5v@20A) (+12v@500mA) (-12v@50mA)

#### Operating Environments

- Temperature 0 to +60° C
- Storage -20 to +80° C
- Humidity 10% to 90% non condensing