Full-size Socket 478 P4 SBC with DDR SDRAM VGA/2xLAN

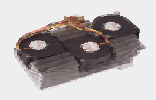# IAC-F846A

2 DDR DIMM Sockets
support up to 2 GB DDR SDRAM

2 IDE ports   FDD port

LPT port

COM 1
COM 2
VGA connector

2 RJ45 connectors

Mini-Din PS/2
Keyboard & Mouse
connectors

Socket 478 with fan
support Intel® P4 CPU

Socket for M-Systems
DiskOnChip®

5 Pin Keyboard
Header
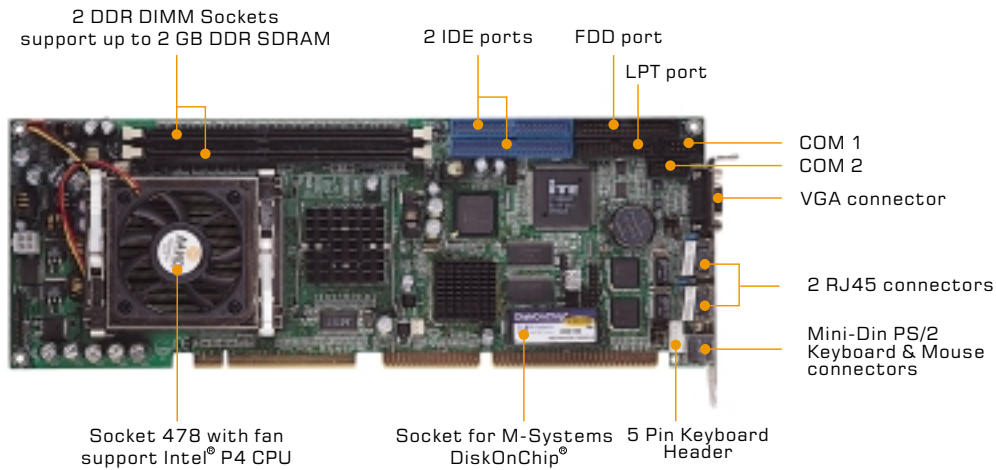
FEATURES

- Support Intel® Socket 478 Pentium® 4 processors
- Two DIMM sockets, support up to 2GB DDR PC-200/266 SDRAM
- Intel® 845 chipset with 400MHz FSB
- ATI Rage 128 Ultra GL VGA controller, with on-board 32MB memory
- Dual Intel® 82559 10/100BASE-TX Ethernet Controllers
- DiskOnChip® flash memory support
- Special design heat-sink and fan for 1U chassis

OPTIONAL

Item
USB Y cable with bracket
Part Number
0800100100002

Item
Slim cooling fan for P4 in 1U chassis (Option)
Part Number
0972012070001

SPECIFICATION

CPU
Socket 478 Intel® Pentium® 4 processor
Chipset
Intel® 845 chipset (support DDR version)
BIOS
AMI licensed BIOS (4MB flash ROM)
System Memory
2 x 184-pin DDR DIMM sockets, support up to 2GB DDR PC-200/266 SDRAM
VGA Controller
ATI Rage 128 Ultra GL support 32MB SDRAM (Memory interface 128bit, 4xAGP)
Ethernet
2 Intel® 82559 chip, support Dual-10/100 BASE-TX Ethernet, on-board RJ-45 connector; support Wake On LAN function
Flash Memory Disk
Reserved socket for DiskOnChip® from M-System, support up to 144MB flash memory disk
IDE Interface
2 PCI IDE port that support up to 4 IDE devices and Ultra DMA-33/66/100
Floppy Drive Interface
1 FDD port, support up to 2 floppy devices
Serial Port
2 COM port, 1 x RS-232 and 1 x RS232/422/485

Parallel Port
1 multi-mode parallel port (SPP/EPP/ECP)
Bus Interface
PCI/ISA bus (PICMG 2.0)
Universal Serial Bus   Support 2 USB ports
IR Interface   Support 1 IrDA header
Keyboard Header   5-pin header
Keyboard / Mouse Connector
6-pin Mini-Din PS/2 keyboard/ mouse connector
RTC
Internal RTC with Li battery
Watchdog Timer
16-level time-out intervals (by software program)
Power Consumption
+5V@2.99A (Pentium 4 2GHz, 512MBx2 DDR SDRAM)
+12V: 4.71A
Health Monitoring
On-board hardware monitoring function
Operating Temperature $0^{o}C \sim 60^{o}C$
Storage Temperature $-20^{o}C \sim 70^{o}C$
Humidity   5% ~ 95% RH, non-condensing
Dimensions
338.5 x 122 mm (13 1/4" x 4 5/6")
Net Weight
450g (0.99pounds)

*All the specifications and photos are subjected to be changed without notice.