HiCORE-i6411
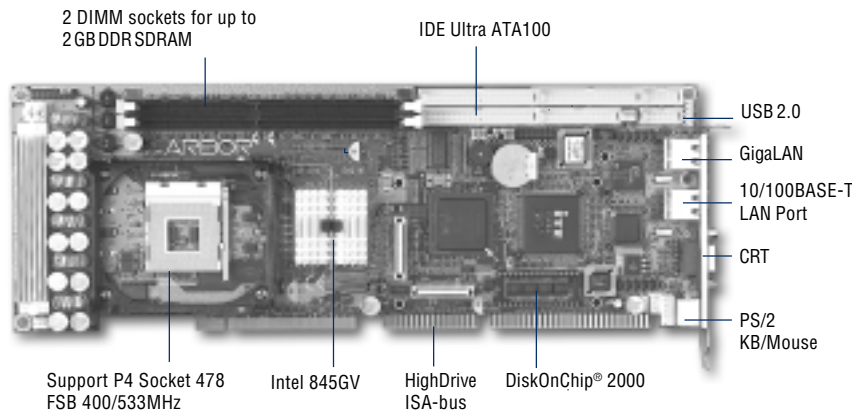
Full-size Socket 478 Pentium 4 SBC with Flat Panel / CRT/ TV-out, Dual LAN (10/100 and Gigabit) and Highdrive ISA

2 DIMM sockets for up to 2 GB DDR SDRAM

IDE Ultra ATA100

USB 2.0

GigaLAN

10/100BASE-T LAN Port

CRT

PS/2 KB/Mouse

Support P4 Socket 478 FSB 400/533MHz

Intel 845GV

HighDrive ISA-bus

DiskOnChip® 2000

Features   CE FCC •••

* **Intel Pentium 4 up to 3.06 GHz**
* **Integrated AGP 4X for CRT**
* **TMDS/DVI, LVDS/TTL and TV-Out support with optional daughterboard**
* **Up to 2 GB DDR266/DDR333 SDRAM on two DIMM sockets**
* **Dual LAN: Gigabit and 10/100 Mbps**
* **High Drive ISA64, CTI Ready**
* **Support Unique Board ID# for software based security and IP protection**

Specifications   •••

System
* **CPU:** Socket 478 FC-PGA2 supports Intel Northwood/Willamette Pentium® 4 CPU up to 3.06 GHz with FSB 400/533 MHz
* **System Memory:** Up to 2 GB of DDR266/DDR333 SDRAM on two DIMM sockets
* **L2 Cache:** Cache L2 512 K (CPU integrated)
* **Chipset:** Intel 845 GV and 82801DB
* **BIOS**: Award BIOS with 4Mb Flash in Firmware Hub (FWH) supports PnP, APM , Multi Boot, DMI, ACPI
* **Enhanced IDE:** Two ports and up to four ATAPI devices, up to Ultra DMA 100 MB/sec
* **Watchdog Timer:** 254 level generates RESET or NMI
* **Expansion:** 32-bit PCI and 16-bit ISA (PICMG passive backplanes)
* **High Drive ISA64 bus CTI ready:** 64 mA high drive buffer supports up to 20 ISA based add-on cards

Multiple I/O
* **Serial:** 1 x RS-232C port (COM1), 1 x RS-232/422/485 port (COM2)
* **Parallel:** SPP, EPP and ECP mode
* **Floppy:** 2 x floppy disk drives
* **IrDA:** Onboard IrDA TX/RX Port (5-pin header)
* **USB:** 2 x USB v.2.0 ports
* **K/B & Mouse:** PS/2 KB/Mouse on bracket, onboard AT Keyboard header

Dual LAN
* **Chipsets:** Intel 82562EZ 10/100 Mbps autoswitching Intel 82540 EM Giga LAN, autoswitching
* **Connector:** 2 x RJ-45 with LEDs on bracket

Flash Disk
* **DiskOnChip2000 socket**
* **CompactFlash Type I/II socket**

Display
* **Chipset:** Intel® 82845GV chipset integrated AGP 4X (1.5V)
* **Display Memory:** up to 64 MB SDRAM (DVMT)
* **Display Type:** CRT
* **Resolution:** Up to 1920 x 1440 @ 32bpp
  2 Optional Daughterboards support :
* **LVDS:** Dual channel (18/24-bit) (Option)
* **TMDS:** Flat Panel support with DVI on bracket (Option)
* **TV-Out:** Above daughterboards also include TV-out supporting NTSC, PAL format and provides RF-out and S-Video up to 1024x768 resolution (Option)

Mechanical and Environment
* **Power Requirement:** +5 V @ 2.82 A (typical), +12 V @ 1.98 A (typical), -12 V @ 0.14 A (typical); (P4 3.06 GHz at 533 FSB and 1 G DDR SDRAM)
* **Operating Temperature:** 0 ~ 60°C (32 ~ 140°F)
* **Relative Humidity:** Up ~ 90% @ 55°C
* **Dimension (L x W):** 338 x 122 mm (13.3" x 4.8")
* **Weight:** 0.6 Kg (1.32 Ib)

Ordering Information

HiCORE-i6411VL
Full-size Socket 478 Pentium 4 SBC with CRT and 10/100 Mbps LAN
HiCORE-i6411VLG
Full-size Socket 478 Pentium 4 SBC with CRT and Dual LAN (10/ 100 Mbps and Gigabit)

(integrated Flat Panel / TV-out functions need daughterboard)
FCDB-1280/TMDS
TMDS and TV-out daughterboard Kit
FCDB-1280/LVDS
LVDS/TTL and TV-out daughterboard Kit

ARBOR

Slot Computing