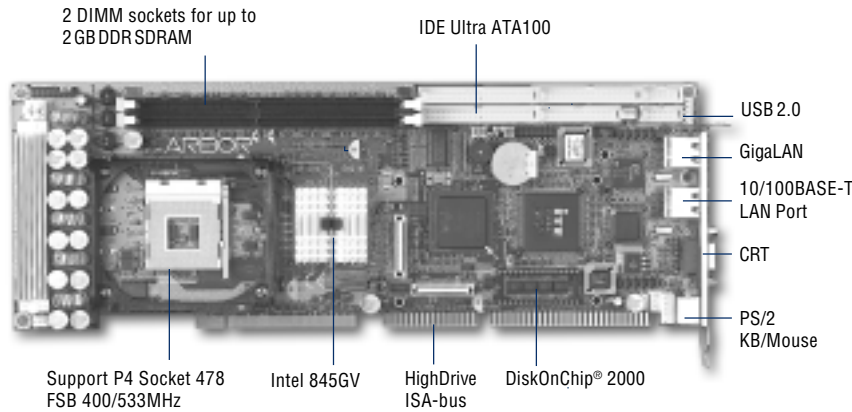


HiCORE-i6411

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



Features



- ★ 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 lb)

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

PICMG Passive Backplane Series

IEC-822

4U Rackmount Chassis

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