NuPRO-850 Series

Full-size Prescott ePCI-X SBC with AGP8X VGA/GbE/S-ATA/USB 2.0 ⦂•

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Specifications

CPU / Core Logic

CPU	Intel mPGA478 Prescott/Pentium 4 Processor
	1MB L2 Cache
	Supports Hyper-Threading Technology
FSB	800/533MHz
Chipset	Intel 875P (canterwood) MCH with 6300ESB (HanceRapids) ICH
RAM	Supports Single/Dual Channel DDR DIMM, up to 4 DIMMs of DDR 333/400 with ECC unbuffered
	Maximum 4GB System Memory
BIOS	Award 4Mb flash memory

Bus

BusA	ePCI-X Bus-A complaint with PCI-X 66MHz (no device bind on bus-A on board)
BusB	ePCI-X Bus-B complaint with PCI 32/33
MiniPCI	miniPCI type III for expansion

I/O Interfaces

IDE	ATA-100, dual channels
Serial ATA	Supports 2 Channels SATA-150 devices
USB	2 USB Connector on the faceplate, 2 by pin headers compliant with USB Specification Rev. 2.0, Individual over-current protection
Super I/O	One UARTs compatible RS-232 COM port with ESD protection to 2KV
Floppy	Standard 34-pin connector
Audio	Integrated Audio Controllers with AC'97 Interface, optional with DB-AC97S board
Watchdog Timer	Built-in HanceRapids, support 2-stage WDT

VGA

Display	ATI M9/M10 (pin compatible) with AGP4X/8X compliant, 64MB VGA Memory

Ethernet

Ethernet	I82547 (Kenai-II) Controller with Intel CSA (Communication Streaming Architecture)
	Supports 1000Base-TX, 100Base-TX and 10Base-T (IEEE802.3, 802.3u, and 802.3ab)
Features	Intel PXE pre-boot on Ethernet

Mechanical and Environmental

Form Factor	Standard Full-Size ePCI-X SHB (System Host Board)
	PICMG 1.2
Dimensions	338mm x 122mm (L x W)
Operating Temp.	0 to 60˚C
Storage Temp.	-20 to 80˚C
Certificate or Test	CE, FCC class A

Other Features

External Power Connector	One ATX-12 4-pin connector

Features

- High computing capability, supports 800/533MHz FSB hyper-threading Pentium 4
- High communication bandwidth, supports new generation Gigabit Ethernet port
- Supports AGP8X/4X high performance VGA display
- Supports Serial ATA for high speed storage device
- Supports USB 2.0 and generic features, including COM, KB, mouse, and hardware monitoring

Ordering Information

NuPRO-850GV8X	PICMG 1.2 ePCI-X Full-Size Prescott SHB with ATI M10 AGP 8X /GbE/S-ATA/USB2.0
NuPRO-850GV4X	PICMG 1.2 ePCI-X Full-Size Prescott SHB with ATI M9 AGP 4X /GbE/S-ATA/USB2.0
NuPRO-850GV	PICMG 1.2 ePCI-X Full-Size Prescott SHB with GbE/S-ATA/ USB2.0, mPCI-8750 ATI Rage XL VGA
DB-AC97S	Audio daughter board with Line-in, Line-out, MIC-in connectors

All specifications are subject to change without further notice.