

# NuPRO-900A

Full-size Dual Low Voltage Xeon™ ePCI-X SBC with DDR, Dual Gigabit Ethernet ♣



## Features

- High computing capability, supports dual low voltage Xeon 2.4GHz or single Xeon 2.8GHz
- High bus bandwidth, supports dual PCI-X bus, compliant to PICMG 1.2 specification
- Large memory banks, up to 8GB DDR SDRAM with ECC
- High communication bandwidth, supports dual Gigabit Ethernet ports
- Supports all generic features, including VGA, USB, COM, KB, mouse and hardware monitoring

## Ordering Information

NuPRO-900A	PICMG 1.2 ePCI-X Dual Xeon SHB with mPCI-8750C & dual GbE
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Note 1: CPU, RAM and HDD are not included.

## Specifications

### CPU / Core Logic

CPU	Dual Intel Low Voltage Xeon Processors with 512K L2 cache, 2.4GHz Single Intel Xeon Processor with 512K L2 cache, 2.8GHz
FSB	400/533 MHz
Chipset	Intel E7501 with ICH3-S and P64H2
RAM	Four 184-pin DIMM sockets, up to 8GB Registered ECC DDR-200/266 memory
BIOS	Award 4Mb flash memory

### I/O Interfaces

IDE	ATA-100, dual channels
MiniPCI Interface	One MiniPCI socket, reserved for mPCI-8750 to provide VGA
USB	Two USB 1.1 ports via on-board pin-header connector
Super I/O	Winbond W83627HF, two 16C550 UART compatible RS-232 COM ports with ESD protection up to 2KV. Printer Port Supported
Floppy	Standard 34-pin connector
Hardware Monitoring	Monitoring CPU temperatures, FAN speed, system temperature, CPU Vcore and DC voltages
Watchdog Timer	Software programmable 1-255 sec or 1-255 min and can generate NMI or system resets

### VGA

Display	ATI RageXL with 8MB VRAM
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### Ethernet

Ethernet	Dual 10/100/1000Mbps Ethernet ports by Intel 82546EB
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 55°C
Storage Temp.	-20 to 80°C
Certificate or Test	CE, FCC class A

## Backplane Interoperability

Model Number	Recommended Backplanes
HPX-13S4	13-slot ePCI-X backplane, 1 SHB / 4 PCI-X / 8 PCI
HPX-D5S4C	Double side ePCI-X backplane, 1 SHB / 2 PCI-X 133 / 2 PCI 64/66 slots (5V)