NuPRO-900A

PICMG 1.2 Full-Size Intel® Xeon™ SBC with ATi Rage XL graphics card, DDR, Dual GbE and Cooler kit



Features

- *High computing capability, supports dual Intel® Xeon™ low voltage processor or single Intel® Xeon™ processor with standard voltage*
- *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*

Ordering Information

NuPRO-900A	PICMG 1.2 Full-Size Intel® Xeon™ SBC with ATi Rage XL graphics card, DDR, Dual GbE and two CPU Coolers

Recommended Systems

Model Name	Chassis	Backplane	Power Supply
NS-400BX-13S4-460	BX-400 (BlueExpress)	HPX-13S4	APS-946XA-EPS12
NS-200BX-D5S4C-460	BX-200 (BlueExpress)	HPX-D5S4C	APS-946XA-EPS12

Specifications

System

CPU	Dual Low Voltage Intel® Xeon™ processor with 512K L2 cache
	Single Intel® Xeon™ processor with 512K L2 cache
FSB	533/400MHz
Chipset	Intel® E7501 + ICH3-S
Memory	Dual-Channel DDR200/266 Registered memory with ECC, up to 8GB (4 x DIMMs)
BIOS	Award 4Mb flash memory
Watchdog Timer	1-255 sec or 1-255 min software programmable and can generate system reset
Hardware Monitor	CPU/System temperature, fan speed and onboard DC voltages

I/O Interfaces

IDE	Two channels UltraATA 66/100
Mini PCI	One Mini PCI slot for mPCI-8750C graphics card
USB	2 x USB 1.1 ports by onboard pin header
Multi I/O	2 x RS232, 1 x LPT, 1 x Floppy, 1 x PS/2 keyboard/mouse

Display

VGA	ATi Rage XL graphics card via Mini-PCI slot

Ethernet

Gigabit LAN	Onboard two Intel® 82546 GbE controllers support 10/100/1000Base-T dual Gigabit 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
Shock	15G peak-to-peak, 11ms duration, non-operation
Vibration	Non-operation: 1.88Grms, 5-500Hz, each axis
	Operation: 0.5Grms, 5-500Hz, each axis
Measured Power Consumption	Dual Low Voltage Xeon 1.6GHz CPU with 2GB RAM: 10.28A @ +5V, 13.16A @ +3.3V, 1.04A @ +12V
Compliance	CE, FCC Class A

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