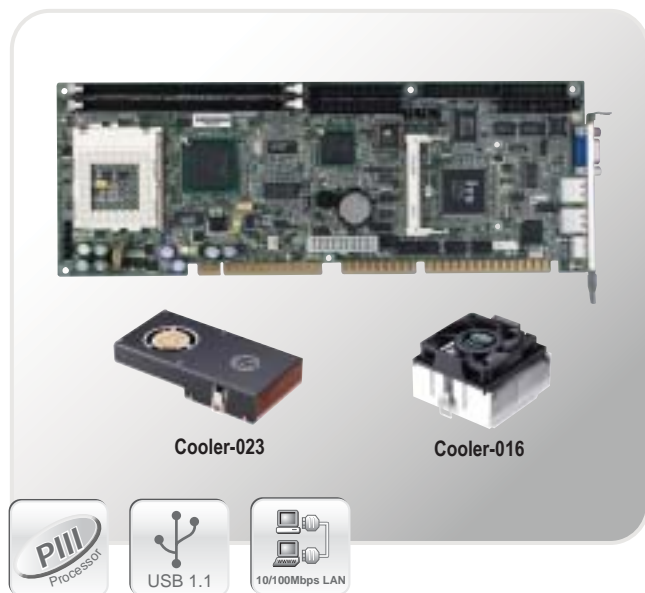


# NuPRO-780 Series

Full-size Pentium® III SBC with VGA/Fast Ethernet ••



## Features

- Uses longevity components supported by Intel Embedded roadmap
- Supports all Socket 370 CPU from Celeron to Pentium III 1.26GHz
- With MiniPCI extension capability
- With high drive ISA bus
- With ATX power connector for backplane-less applications

## Ordering Information

NuPRO-780DV	Socket 370 Pentium III SBC with mPCI/VGA/Dual Ethernet
NuPRO-780LV	Socket 370 Pentium III SBC with mPCI/VGA/Single Ethernet

Note 1: CPU, RAM, and HDD are not included.

## Optional Accessories

Model Number	Description/Configuration
DB-AC97S	Audio daughter board with Line-in, Line-out, MIC-in connectors
Cooler-016	Cooler for NuPRO-760/780
Cooler-023	Cooler for NuPRO-760/780 for 1U/1GHz CPU

## Specifications

### CPU / Core Logic

CPU	Intel Socket 370 FC-PGA2 Pentium III with 512KB on-die L2 cache @ full core speed & 133MHz FSB Intel Socket 370 FC-PGA Pentium III with 256KB on-die L2 cache @ full core speed & 100/133MHz FSB Intel Socket 370 FC-PGA Celeron with 128KB on-die L2 cache @ full core speed & 66/100MHz FSB VIA Socket 370 FC-PGA C3 with 64/128KB L2 cache @ full speed and 100/133MHz FSB
FSB	133MHz
Chipset	Intel® 815E Integrated Gfx Memory Control Hub (MCH), ICH2
RAM	Two 168-pin DIMM sockets, Max. 512MB un-buffered PC-133 SDRAM
BIOS	Award 4Mb flash memory

### I/O Interfaces

IDE	ATA-100, dual channels
Audio	Integrated Audio Controllers with AC'97 Interface, optional with DB-AC97S
USB	Supports two USB ports via on-board pin-header connector Compliant with USB Specification Rev. 1.1
Super I/O	Winbond W83627HF, two 16C550 UART compatible RS-232 COM ports with ESD protection up to 2KV Printer Port Supported
ISA	High drive ISA capability
MiniPCI Interface	One MiniPCI Rev 1.0 compatible Type III slot for functions expansion such as SCSI
Floppy	Standard 34-pin connector
Hardware Monitoring	Monitoring CPU temperatures, FAN speed, system temperature and Vcore and DC voltages
Watchdog Timer	1-255 sec or 1-255 min software programmable can generate system resets

### VGA

Display	Intel 815E built-in hyper-pipelined architecture 3D graphics engine, 4MB Video Cache for optimized performance, AGP 4X, ACPI and VESA compliant
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### Ethernet

Ethernet	One 10/100 Fast Ethernet port by Intel 82562 One 10/100 Fast Ethernet port by Intel 82559 Ethernet Controller (DV only)
Features	Intel PXE pre-boot on Ethernet

### Mechanical and Environmental

Form Factor	Standard Full-Size PICMG CPU Card PICMG 1.0
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

### Other Features

External Power Connector	One ATX type connector for backplane-less applications
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All specifications are subject to change without further notice.