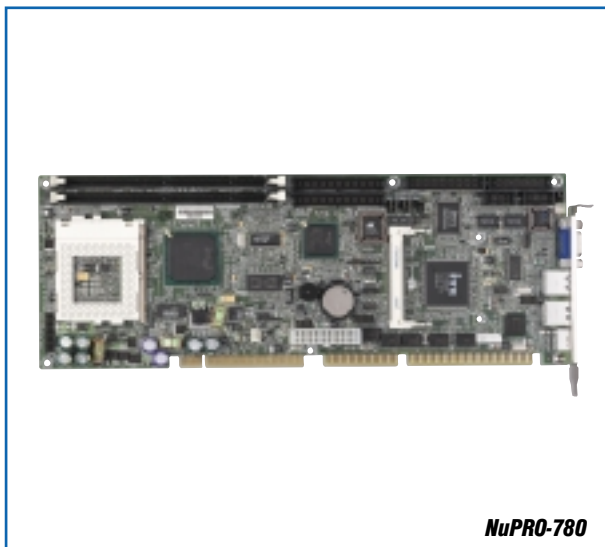# NuPRO-780 series

Full-Size Pentium III SBC with VGA/Fast Ethernet

NuPRO-780

> **The NuPRO-780 with Pentium III processor, two Fast Ethernet ports provide good performance and lowest price. As a 32 bit, 33Mhz PCI Single Board Computer, the NuPRO-780 supports PICMG 1.0 Backplane for Industrial Controller.**

Features

- Intel Pentium III CPU up to 1.4 GHz(Tualatin)
- Two PC-133 DIMM
- MiniPCI Interface
- ESD Protection on every I/O
- High drive ISA bus

Specifications

Standards	PICMG 1.0
Form Factor	Standard Full-Size PICMG CPU Card Dimension: 338(L)x122(W)mm
CPU/Cache	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 core speed and 100/133MHz FSB
Front Side Bus Speed	133 MHz
Chipset	Intel® 815E Integrated Gfx Memory Control Hub(MCH), ICH2 MuTIOL® Media I/O
BIOS	Award 4Mb flash memory
RAM	Two 168-pin DIMM sockets, Max. 512MB un-buffered PC-133 SDRAM
VGA	Intel 815E build-in hyper-pipelined architecture 3D graphics engine,4MB Video Cache for optimized performance, AGP 4X, ACPI and VESA compliant
LAN	One 10/100 Fast Ethernet ports by Intel 82562 Ethernet Controller One 10/100 Fast Ethernet ports by Intel 82559 Ethernet Controller(DV only)

IDE	ATA-100, dual channels
Floppy	Standard 34-pin connector.
Flash Disk	Flash2000 2.5" flash drive
USB	Supports up to 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
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 NMI or system reset.
Audio	Integrated Audio Controllers with AC'97 Interface, Optional with DB-AC97S
External Power Connector	One ATX type connector for backplaneless application
Other Features	Intel PXE pre-boot on Ethernet Remote Console
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, with 2.5" HDD
Certificate or Test	CE; FCC class A; HALT

Ordering Information

Model number	Description/Configuration
NuPRO-780DV	Socket 370 Pentium III SBC with mPCI/VGA/Dual Ethernet
NuPRO-780LV	Socket 370 Pentium III SBC with mPCI/VGA/Single Ethernet
Cooler-016	Cooler for NuPRO-760/780
Cooler-023	Cooler for NuPRO-760/780 for 1U/1GHz CPU

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