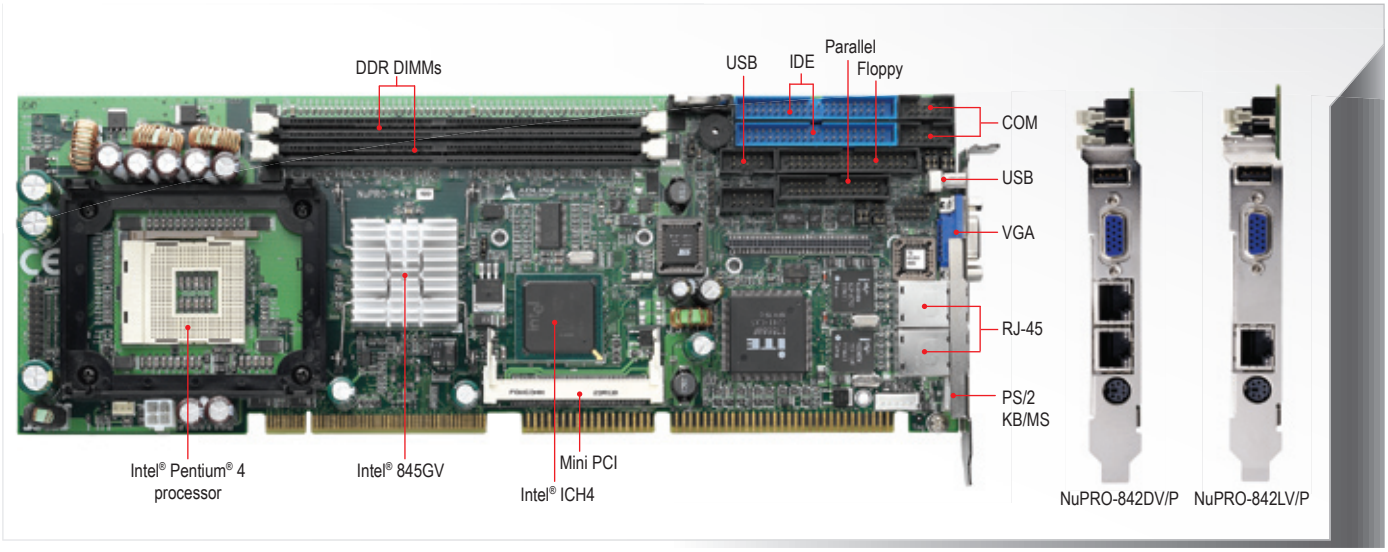
NuPRO-842/P

Full-Size Intel® Pentium® 4 Processor SBC with VGA, Dual GbE, USB 2.0



Features

- High computing capability, supports up to 533MHz FSB Hyper-Threading Pentium® 4
- High communication bandwidth, supports dual Gigabit Ethernet ports
- Supports USB 2.0 and generic features, including VGA, COM, KB, mouse and hardware monitoring
- 32-bit/33MHz Mini PCI slot for functional expansion
- DVO interface for digital LCD interfaces (LVDS or DVI) expansion

Specifications

Processor System

CPU	Intel® Pentium® 4 processor, 2.8GHz, 533MHz FSB, 512KB L2 Cache, 0.13um, 69W TDP, mPGA478
	Intel® Celeron®, 2.0GHz, 400MHz FSB, 128KB L2 Cache, 0.13um, 53W TDP, mPGA478
Chipset	Intel® 845GV GMCH + ICH4 chipset
Memory	2x 184-pin DIMM sockets, up to 2GB unbuffered non-ECC DDR-200/266 memory
BIOS	Award 4 Mb flash memory
Watchdog Timer	1-255 sec or 1-255 min software programmable, can generate system reset
Hardware Monitor	Monitoring CPU temperatures, fan speed, system temperature, and Vcore and DC voltages
Operating Systems	Windows® 2000/XP

I/O Interfaces

IDE (PATA)	2x UltraATA 66/100
MiniPCI	One MiniPCI Rev 1.0 compatible Type III slot for functions expansion such as SCSI
USB	1x USB port via on-board bracket, 4 USB pin header on board Compliant with USB Specification Rev. 2.0.
KB/MS	1x PS/2 keyboard/mouse
Floppy	Standard 34-pin connector
Parallel Port	Printer port supported
Serial Port	1x RS-232, 1x RS-232/422/485

Display

Graphics	Integrated 2D/3D Graphics Accelerator,
VRAM	Shared Memory size up to 64MB
CRT	External Dsub-15 connector

Ethernet

Controller	10/100/1000Mbps Ethernet ports by Intel® 82540EM Ethernet Controller
Interface	PCI™ bus
Wake On LAN	Yes

Mechanical and Environmental

Form Factor	Full-Size PICMG® 1.0 CPU board
Dimensions	338 mm x 122 mm (L x W)
Operating Temp.	0°C to 55°C
Storage Temp.	-20°C to 80°C
Certifications	CE, FCC Class A
Relative Humidity	10% to 90%, non-condensed

Ordering Information

Model Number	Description/Configuration
NuPRO-842DV/P	Full-Size Intel® Pentium® 4 Processor SBC with VGA, Dual GbE, USB 2.0
NuPRO-842LV/P	Full-Size Intel® Pentium® 4 Processor SBC with VGA, GbE, USB 2.0

Optional Accessories

Model Number	Description/Configuration
DB-AC97S	AC'97 audio daughter board

Packing List

NuPRO-842/P	1x COM port cable with bracket
1x Y-cable for PS/2 keyboard/mouse	1x CPU Cooler
1x UltraATA 100 IDE cable	Driver CD
1x Floppy cable	User's manual
2x USB 2.0 cable bracket (2-port)	