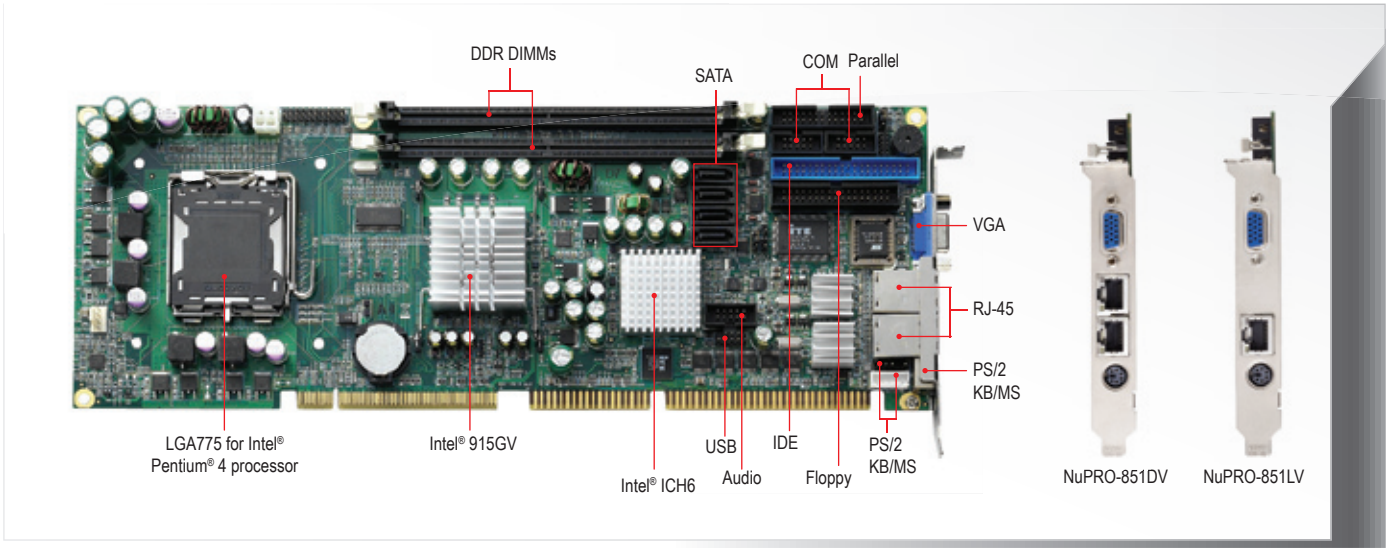
NuPRO-851

PICMG® 1.0 Full-Size LGA775 Intel® Pentium® 4 SBC with DDR2, Dual-GbE, and Serial ATA



Features

- PICMG® 1.0 Full-Size SBC
- Supports up to 800 MHz FSB LGA775 Intel® Pentium® 4 processor
- Intel® 915GV + ICH6 chipset with Dual-Channel DDR2 533/400 MHz
- Dual Gigabit Ethernet via PCI Express® x1 Bus

Specifications

Processor System

CPU	Intel® Pentium® 4 651, 3.4GHz, 800MHz FSB, 2MB L2 Cache, 65nm, 95W TDP, LGA775
	Intel® Pentium® 4 551, 3.4GHz, 800MHz FSB, 1MB L2 Cache, 90nm, 84W TDP, LGA775
	Intel® Pentium® 4 531, 3.0GHz, 800MHz FSB, 1MB L2 Cache, 90nm, 84W TDP, LGA775
	Intel® Celeron® D 352, 3.2GHz, 533MHz FSB, 512KB L2 Cache, 65nm, 95W TDP, LGA775
	Intel® Celeron® D 341, 2.93GHz, 533MHz FSB, 256KB L2 Cache, 90nm, 84W TDP, LGA775
Chipset	Intel® 915GV + Intel® ICH6 chipset
Memory	Dual-Channel DDR2 533/400 MHz, up to 2 GB
BIOS	Award 4 Mb 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
Operating Systems	Windows® 2000/XP/Server 2003, Fedora™ Core 5

I/O Interfaces

IDE (PATA)	1x UltraATA 66/100
Serial ATA	4x Serial ATA ports with 1.5 Gbps data transfer rate
USB	2x USB 2.0 ports by onboard pin header
KB/MS	1x PS/2 keyboard/mouse
Floppy	1x Floppy
Parallel Port	1x LPT
Serial Port	2x RS-232

Audio

Audio Codec	Realtek ALC203 supported by DB-AC97S
Interface	Pin header for AC'97 audio interface

Display

Graphics	Intel® 915GV integrated VGA (GMA 900)
VRAM	Shared system memory up to 128MB
CRT	External Dsub-15 connector

Ethernet

Controller	Onboard two Marvell 88E8052 GbE controllers 10/100/1000Base-T dual-Gigabit Ethernet
Interface	PCIe® x1 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 60°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-851LV	PICMG® 1.0 Full-Size LGA775 Intel® Pentium® 4 SBC with DDR2, GbE and Serial ATA
NuPRO-851DV	PICMG® 1.0 Full-Size LGA775 Intel® Pentium® 4 SBC with DDR2, Dual-GbE and Serial ATA

Note: CPU, Memory module and Cooler kit are not included.

Optional Accessories

Model Number	Description/Configuration
1U CPU Cooler + backplate	LGA775 1U Thermal Module + backplate
3U CPU Cooler	LGA775 3U Thermal Module
Backplate	Backplate for 3U CPU cooler
DB-AC97S	AC'97 audio kit with mic-in, line-in and line-out ports

Packing List

NuPRO-851	1x COM+Parallel port cables with bracket
1x Y-cable for PS/2 keyboard/mouse	2x SATA data cable
1x UltraATA 100 IDE cable	1x SATA power cable
1x Floppy cable	Driver CD
1x USB 2.0 cable bracket	User's manual
1x COM port cable with bracket	

LRI Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000