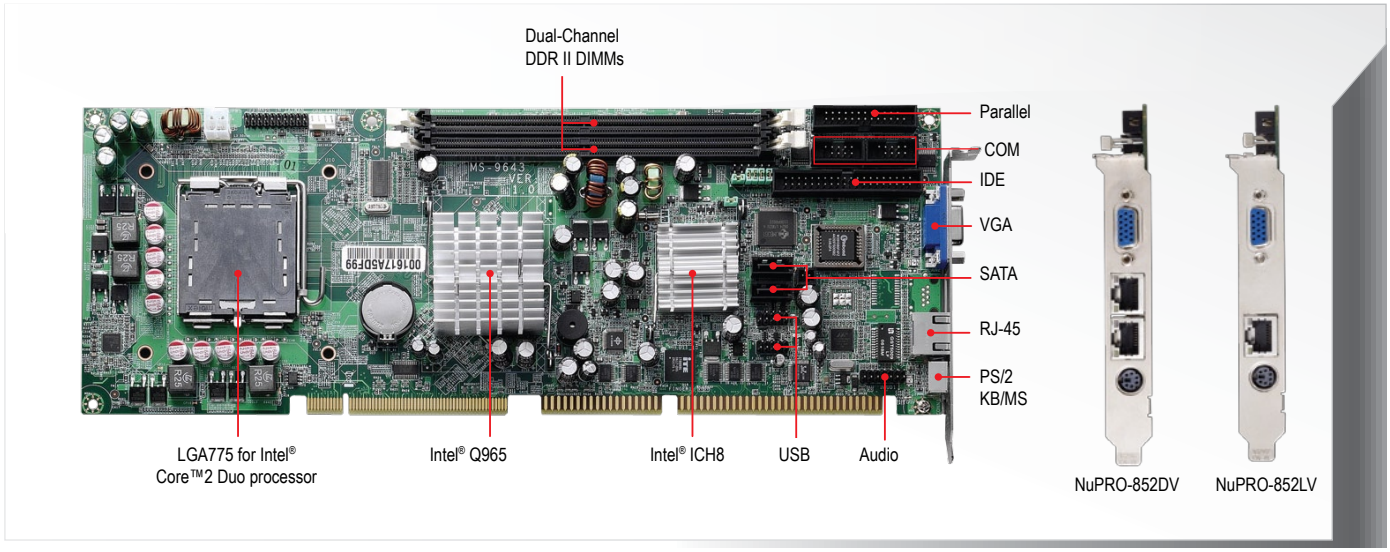
NuPRO-852

PICMG® 1.0 Full-Size LGA775 Intel® Core™2 Duo SBC with DDR2, GbE, SATA, & IDE



Features

- PICMG® 1.0 Full-Size SBC
- Supports up to 1066 MHz FSB LGA775 Intel® Core™2 Duo processor
- Intel® Q965 + ICH8 chipset with Dual-Channel DDR2 667/533 MHz
- Supports PCI Express® x1 Gigabit Ethernet port

Specifications

Processor & System

CPU	Intel® Core™2 Duo E6400, 2.13GHz, 1066MHz FSB, 2MB L2 Cache, 65nm, 65W TDP, LGA775
	Intel® Core™2 Duo E4300, 1.8GHz, 800MHz FSB, 2MB L2 Cache, 65nm, 65W TDP, LGA775
	Intel® Pentium® Dual Core E2160, 1.8GHz, 800MHz FSB, 1MB L2 Cache, 65nm, 65W TDP, LGA775
	Intel® Celeron® 440, 2.0GHz, 800MHz FSB, 512KB L2 Cache, 65nm, 35W TDP, LGA775
	Intel® Pentium® 4 651, 3.4GHz, 800MHz FSB, 2MB L2 Cache, 65nm, 95W TDP, LGA775
	Intel® Celeron® D 352, 3.2GHz, 533MHz FSB, 512KB L2 Cache, 65nm, 95W TDP, LGA775
Chipset	Intel® Q965 + Intel® ICH8 chipset
Memory	Dual-Channel DDR2 800/667/533 MHz, up to 4 GB
BIOS	Award 8 Mb flash memory
Watchdog Timer	1-255 sec. or min. software programmable and can generate system reset
Hardware Monitor	CPU/System temperature, fan speed and onboard DC voltages
Operating Systems	Windows® XP, 7 32/64-bit, Server 2003
	Fedora™ Core 7

I/O Interfaces

IDE (PATA)	1x UltraATA 66/100/133
Serial ATA	2x SATA 3 Gb/s ports
USB	4x USB 2.0 ports by onboard pin headers
KB/MS	1x PS/2 keyboard/mouse
Parallel Port	1x LPT
Serial Port	1x RS-232, 1x RS-232/422/485

Audio

Audio Codec	Realtek® ALC883 Codec
Interface	Audio pin header

Display

Graphics	Intel® 965 integrated VGA (GMA 3000)

Ethernet

Controller	Onboard Marvell 88E8056 GbE controller
	10/100/1000Base-T Gigabit Ethernet
Interface	x1 PCIe® bus
Wake On LAN	Yes

Mechanical and Environmental

Form Factor	Standard Full-Size PICMG® 1.0 SBC
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-852LV	PICMG® 1.0 Full-Size LGA775 Intel® Core™2 Duo SBC with Q965, DDR II, GbE, SATA II, IDE
NuPRO-852DV	PICMG® 1.0 Full-Size LGA775 Intel® Core™2 Duo SBC with Q965, DDR II, Dual GbE, SATA II, IDE

Note 1: CPU, Memory module and Cooler kit are not included.

Optional Accessories

Model Number	Description/Configuration
LGA775 1U CPU Cooler	LGA775 1U Thermal Module
LGA775 3U CPU Cooler	LGA775 3U Thermal Module
Backplate	Backplate for 3U CPU cooler
Audio Cable	Audio Cable for NuPRO-852

Packing List

NuPRO-852	1x COM+Parallel port cables with bracket
1x Y-cable for PS/2 keyboard/mouse	2x SATA data cables
1x UltraATA 100 IDE cable	2x SATA power cables
1x USB 2.0 cable with bracket	Driver CD
1x COM port cable with bracket	User's manual