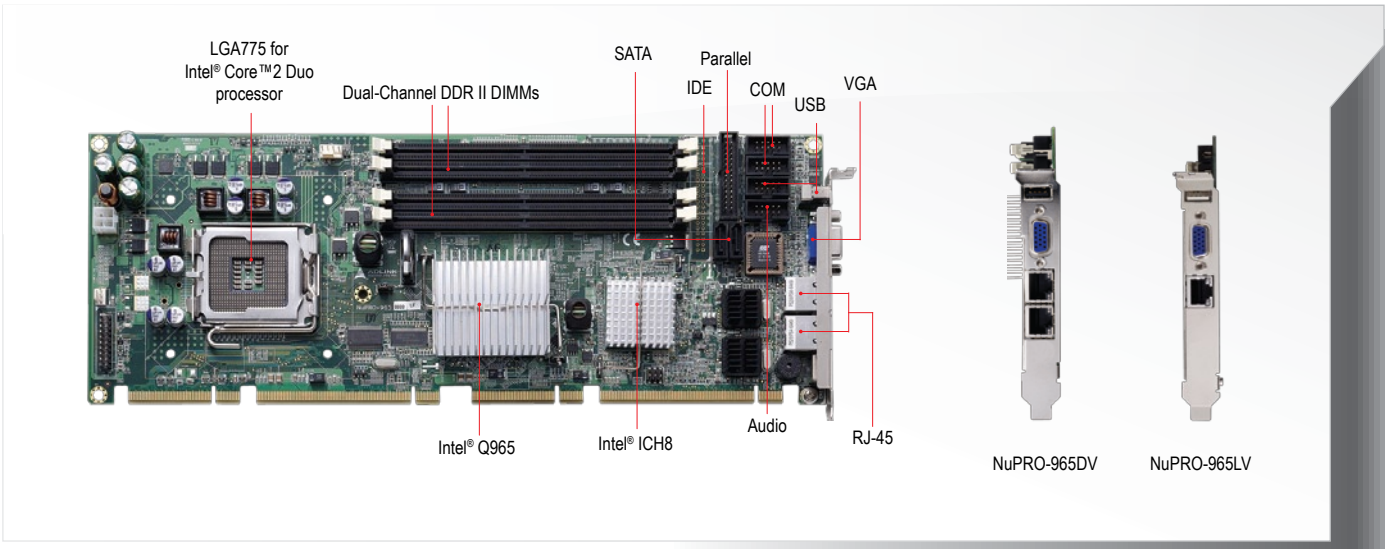
NuPRO-965

PICMG® 1.3 Full-Size LGA775 Intel® Core™2 Duo SHB



Features

- Supports 1066 MHz FSB LGA775 Intel® Core™2 Duo processor
- Intel® Q965+ICH8 chipset with Dual-Channel DDR2 800/667/533 MHz, up to 8 GB
- One PCI Express® x16 and four PCI Express® x1 (or one x4) Link to backplane
- Dual Gigabit Ethernet via PCI Express® x1 bus

Specifications

Processor & System

CPU	Intel® Core™2 Duo E7400, 2.8GHz, 1066MHz FSB, 3MB L2 Cache, 45nm, 65W TDP, LGA775
	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 E5300, 2.6GHz, 800MHz FSB, 2MB L2 Cache, 45nm, 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 + ICH8
Memory	Dual-Channel DDR2 800/667/533 MHz, up to 8 GB
BIOS	AMI BIOS 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® 2000, XP, Vista, 7 32/64-bit
	Fedora™ Core 6

I/O Interfaces

IDE (PATA)	1x UltraATA 66/100/133 (only LV version)
Serial ATA	4x SATA 3 Gb/s ports (2x onboard headers, 2x backplane)
USB	7x USB 2.0 ports (1x faceplate, 2x onboard pin headers, and 4x backplane)
KB/MS	Internal pin header for keyboard/mouse
Parrallel Port	1x LPT
Serial Port	2x RS-232

Audio

Audio Codec	Realtek ALC262 support by DB-Audio2 daughter board
Interface	Pin header for High Definition Audio interface

Display

Graphics	Intel® GMA 3000 integrated in Intel® Q965 GMCH
VRAM	Shared w/ system memory up to 256MB
CRT	External Dsub-15 connector, resolution up to 2048 x 1536 @ 75Hz

Ethernet

Controller	Integrated Intel® 82573 PCIe® network controllers
	10/100/1000Base-T dual-Gigabit Ethernet
Interface	PCIe® x1 bus (dual-GbE only available on NuPRO-965DV)
Wake On LAN	Yes

Mechanical and Environmental

Form Factor	Full-Size PICMG® 1.3 System Host Board
Dimensions	338 mm x 126 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-965DV	Full-Size PICMG® 1.3 LGA775 Intel® Core™2 Quad/Duo SHB with dual-channel DDR2, dual GbE, SATA II
NuPRO-965LV	Full-Size PICMG® 1.3 LGA775 Intel® Core™2 Quad/Duo SHB with dual-channel DDR2, 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
DB-Audio2	High Definition Audio daughter board with mic-in/line- in/line-out

Packing List

NuPRO-965	1x COM+Parallel port cables with bracket
2x SATA data cables	1x UltraATA 100 IDE cable (NuPRO-965LV only)
1x dual-plug SATA power cable	1x USB 2.0 cable with bracket
Driver DVD	1x COM port cable with bracket
User's manual	