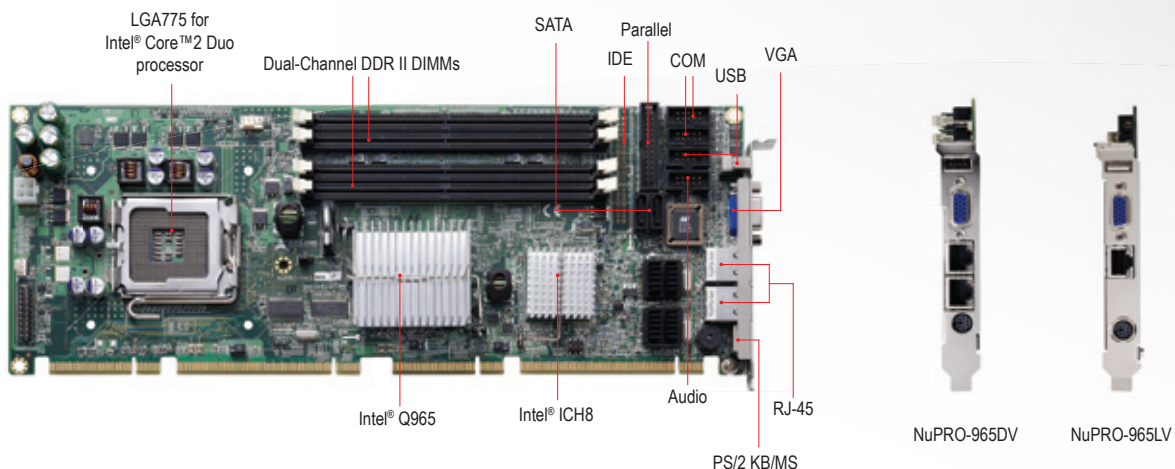


NuPRO-965

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



Features

- PICMG® 1.3 Full-Size SBC
- 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	Processor
	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® 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® 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 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/Vista, Fedora™ Core 6

I/O Interfaces

IDE (PATA)	1x UltraATA 66/100/133 (only LV version)
Serial ATA	2x Serial ATA II ports with 3.0 Gbps data transfer rate
USB	7x USB 2.0 ports (1x faceplate, 2x onboard pin headers, and 4x backplane)
KB/MS	1x PS/2 keyboard/mouse
Parallel Port	1x LPT
Serial Port	2x RS-232

Audio

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

Display

Graphics	Intel® GMA 3000 integrated in Intel® Q965 GMCH
VRAM	Shared 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 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-965DV	Full-Size PICMG® 1.3 LGA775 Intel® Core™2 Duo SHB with dual-channel DDR2, dual GbE, SATA II
NuPRO-965LV	Full-Size PICMG® 1.3 LGA775 Intel® Core™2 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
1U CPU Cooler + backplate	LGA775 1U Thermal Module + backplate
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
1x Y-cable for PS/2 keyboard/mouse	2x SATA data cable
1x UltraATA 100 IDE cable (NuPRO-965LV only)	1x dual-plug SATA power cable
1x USB 2.0 cable bracket	Driver CD
1x COM port cable with bracket	User's manual

1 Advanced TCA Processors
2 6U cPCI SBC
3 6U cPCI Platforms
4 3U cPCI SBC
5 3U cPCI Platforms
6 SBC & MB
7 Industrial Chassis
8 Computer On Modules
9 Network Security Appliances
10 IPC Accessories
11 Ampo Extreme Rugged