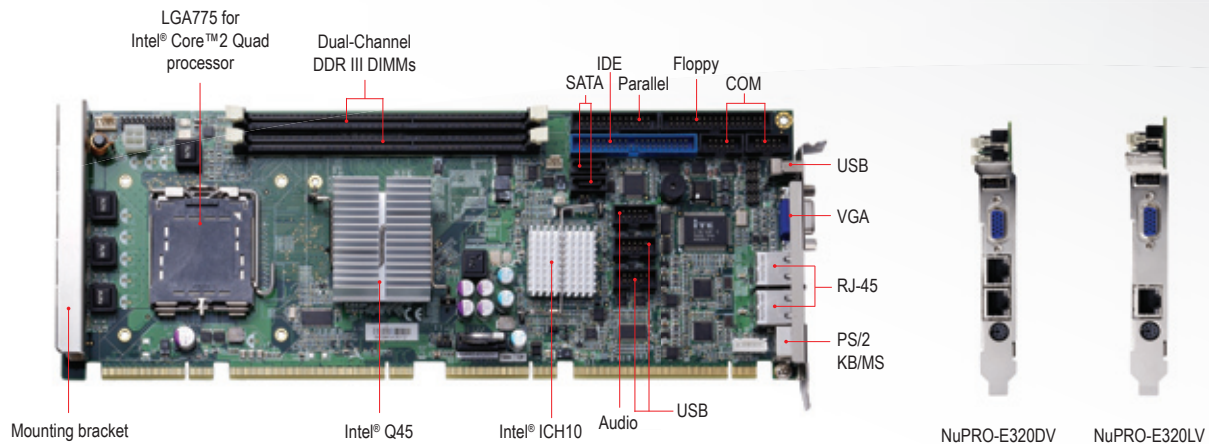


NuPRO-E320

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



Features

- PICMG® 1.3 Full-Size SBC
- Intel® Q45 + ICH10 chipset supports up to 1333 MHz FSB LGA775 Intel® Core™2 Quad/Duo processor
- Dual-Channel DDR3 800/1066 MHz, up to 4 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 Quad Q9400, 2.66GHz, 1333MHz FSB, 6MB L2 Cache, 45nm, 95W TDP, LGA775
	Intel® Core™2 Duo E8400, 3.0GHz, 1333MHz FSB, 6MB L2 Cache, 45nm, 65W TDP, LGA775
	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® Pentium® Dual Core E5300, 2.6GHz, 800MHz FSB, 2MB L2 Cache, 45nm, 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® Q45 + ICH10

Chipset	Intel® Q45 + ICH10
Memory	Dual-Channel DDR3 800/1066 MHz, up to 4 GB
TPM	Infineon® SLB9635 TT1.2 (optional)
BIOS	AMI BIOS 16 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® XP/Vista, Fedoa™ 8, RedHat Enterprise Linux 5.0

I/O Interfaces

Serial ATA	4x Serial ATA II ports with 3.0 Gbps data transfer rate (2x onboard headers, 2x backplane)
USB	9x USB 2.0 ports (1x faceplate, 4x onboard pin headers, and 4x backplane)
KB/MS	1x PS/2 keyboard/mouse
Floppy	1x Floppy
Parallel Port	1x LPT
Serial Port	1x RS-232, 1x RS-232/422/485

Audio

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

Graphics CRT	Intel® Graphics Media Accelerator 4500 Up to 2048 x 1536 @ 75 Hz (QXGA)
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Ethernet

Controller	Dual Intel® 82574L PCIe® network controllers (optional) 10/100/1000Base-T dual-Gigabit Ethernet
Interface	PCIe®x1 Bus
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-E320DV	Full-Size PICMG® 1.3 LGA775 Intel® Core™2 Quad/Duo SHB with dual-channel DDR3, TPM, dual GbE, SATA II
NuPRO-E320LV	Full-Size PICMG® 1.3 LGA775 Intel® Core™2 Quad/Duo SHB with dual-channel DDR3, GbE, SATA II

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
Copper-core Cooler	LGA 775 copper-core cooler with backplate
DB-Audio2	High Definition audio daughter board with mic-in/line- in/line-out

Packing List

NuPRO-E320	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 dual-plug SATA power cable
1x Floppy cable	Driver DVD
1x USB 2.0 cable bracket	User's manual
1x COM port cable with bracket	