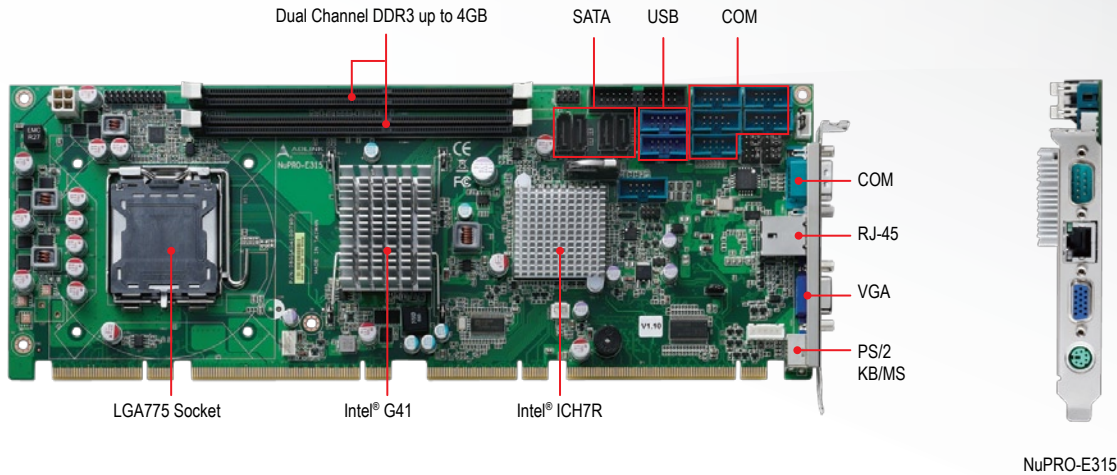


# NuPRO-E315

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



## Features

- Intel® G41+ ICH7R chipset supports up to 1333MHz FSB LGA775 Intel Core™2 Quad/Duo Processor
- Dual-channel DDR3 800/1066MHz, up to 4GB
- Intel® Matrix Storage Technology, supports RAID 0/1/5/10
- 6x COM ports (including 1x RS-232/422/485)

## Specifications

### Processor & System

CPU	Intel® Core™2 Quad Q9400, 2.66 GHz, 1333MHz FSB, 6M Cache, 45nm, 95W TDP, LGA775 Intel® Core™2 Quad E8400, 3.00 GHz, 1333MHz FSB, 6M 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
Chipset	Intel® G41 + ICH7R
Memory	2x 240-pin DIMM sockets Dual-channel DDR3 800/1066MHz, up to 4GB
BIOS	AMIBIOS 32Mb SPI BIOS
Watchdog Timer	1-255 sec or 1-255 min software programmable, can generate system reset
Hardware Monitor	CPU/System temperature, fan speed and onboard DC voltages
Operation Systems	Windows® XP, 7 32/64-bit Fedora™ 12, Redhat Enterprise Linux 5

### I/O Interfaces

Serial ATA	4x SATA 3 Gb/s ports (supports RAID 0/1/5/10)
USB	8x USB 2.0 ports (4x onboard pin headers and 4x backplane)
KB/MS	1x PS/2 keyboard/mouse
Parallel Port	1x LPT
Serial Port	5x RS-232, 1x RS-232/422/485/485+

### Audio

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

Graphics	Intel® Graphics Media Accelerator X4500 integrated in 82G41 GMCH
CRT	Resolution up to 2048 x 1536 @ 75 Hz

### Ethernet

Controller	Intel® 82574L Gigabit Ethernet Controller
Interface	PCIe x1 bus
Wake On LAN	Yes

### Mechanical and Environmental

Form Factor	PICMG 1.3
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-condensing

## Ordering Information

Model Number	Description/Configuration
NuPRO-E315	PICMG 1.3 Full-size Intel® Core™2 Quad/Duo LGA775 SHB

## 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-E315	1x PS/2 Y-cable
1x 2-port USB 2.0 cable with bracket	2x SATA data cables
Driver CD	Quick Reference Guide

1 Advanced/TA Products  
2 3U cPCI Blades  
3 3U cPCI Platforms  
4 3U cPCI Blades  
5 3U cPCI Platforms  
6 Industrial SBCs & IBS  
7 Industrial Chassis  
8 IPC Accessories  
9 Computer-On-Modules  
10 Amps by ADLINK Extreme Budget  
11 SSD