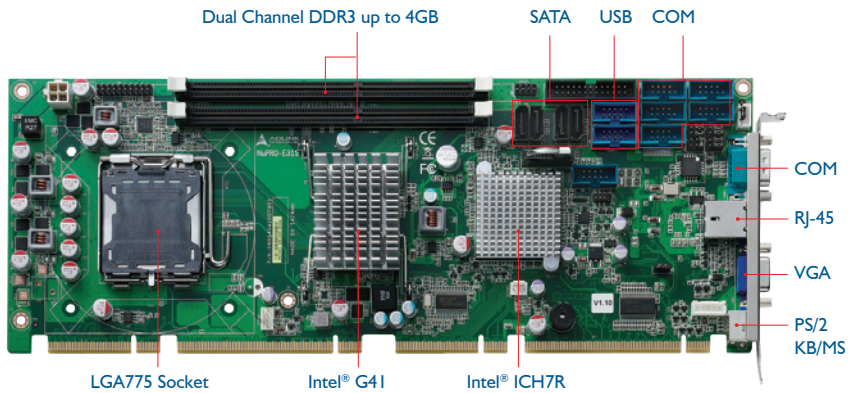
NuPRO-E315

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





NuPRO-E315

Features

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

Specifications

Processor & System	
CPU	Intel® Core™2 Quad Q9400, 2.66 GHz, 1333 MHz FSB, 6M Cache, 45nm, 95W TDP, LGA775
	Intel® Core™2 Quad E8400, 3.00 GHz, 1333 MHz FSB, 6M Cache, 45nm, 65W TDP, LGA775
	Intel® Core™2 Duo E7400, 2.8 GHz, 1066 MHz FSB, 3 MB L2 Cache, 45nm, 65W TDP, LGA775
	Intel® Pentium® Dual Core E6500, 2.93 GHz, 1066 MHz FSB, 2 MB L2 Cache, 45nm, 65W TDP, LGA775
	Intel® Core™2 Duo E6400, 2.13 GHz, 1066 MHz FSB, 2 MB L2 Cache, 65nm, 65W TDP, LGA775
	Intel® Pentium® Dual Core E5300, 2.6 GHz, 800 MHz FSB, 2 MB L2 Cache, 45nm, 65W TDP, LGA775
	Intel® Core™2 Duo E4300, 1.8 GHz, 800 MHz FSB, 2 MB L2 Cache, 65nm, 65W TDP, LGA775
	Intel® Celeron® Dual Core E3400, 2.6 GHz, 800 MHz FSB, 1 MB L2 Cache, 45nm, 65W TDP, LGA775
	Intel® Pentium® Dual Core E2160, 1.8 GHz, 800 MHz FSB, 1 MB L2 Cache, 65nm, 65W TDP, LGA775
	Intel® Celeron® Dual Core E1500, 2.2 GHz, 800 MHz FSB, 512 KB L2 Cache, 65nm, 65W TDP, LGA775
	Intel® Celeron® 440, 2.0 GHz, 800 MHz FSB, 512 KB L2 Cache, 65nm, 35W TDP, LGA775
Chipset	Intel® G41 + ICH7R
Memory	2x 240-pin DIMM sockets
	Dual-channel DDR3 800/1066 MHz, up to 4 GB
BIOS	AMIBIOS 32 Mb 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, Red Hat 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	Realtek ALC262 support by DB-Audio2 daughter board
Interface	Pin header for High Definition Audio interface

Display

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

Ethernet

Controller	Intel® 82574L Gigabit Ethernet Controller
Interface	PCIe x1 bus
Wake On LAN	Support on LAN1

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-condensing

Ordering Information

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

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

*Updated January 24, 2014. ©2014 ADLINK Technology, Inc. All Rights Reserved. All specifications are subject to change without further notice.

LRI Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000