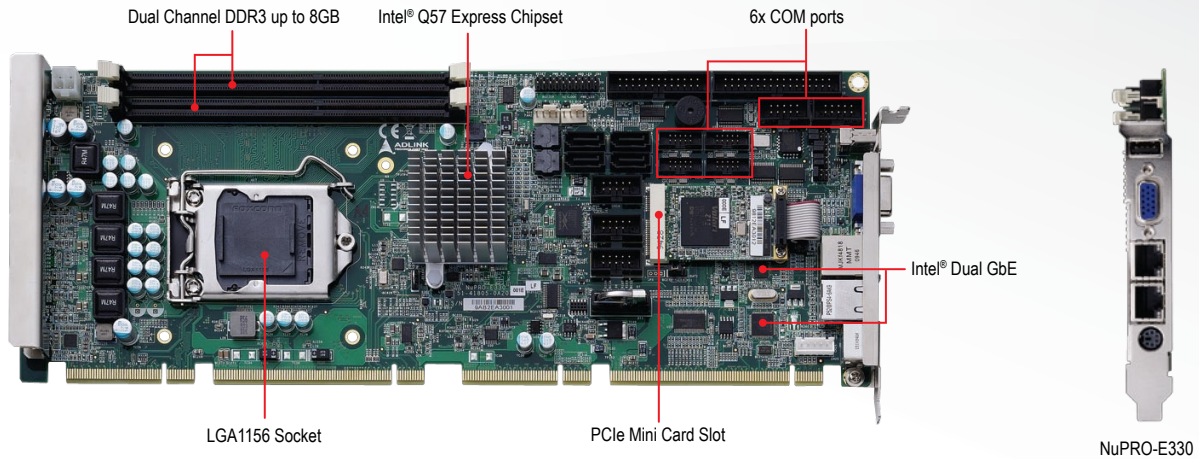


NuPRO-E330

Rugged **interconnect**[™]
TECHNOLOGIES

WHERE TECHNOLOGY IS KEY - FOR REAL WORLD APPLICATIONS

PICMG[®] 1.3 Full-Size Intel[®] Core[™] i7/i5/i3
LGA1156 SHB



Features

- LGA1156 Intel[®] Core[™] i7/i5/i3, Pentium[®] Dual Core Processor
- Intel[®] Q57 Express Chipset supports PCI Express 2.0
- Intel[®] Rapid Storage Technology, supports RAID 0/1/5/10
- Intel[®] Active Management Technology 6.0
- PCIe Mini Card slot
- 6x COM ports (including 1x RS-232/422/485)

Specifications

Processor & System

CPU	Intel [®] Core [™] i7-860 Processor, 2.80 GHz, 8M Cache, 45nm, 95W TDP, LGA1156 (4 cores/8 threads), without integrated graphics Intel [®] Core [™] i5-750 Processor, 2.66 GHz, 8M Cache, 45nm, 95W TDP, LGA1156 (4 cores/4 threads), without integrated graphics Intel [®] Core [™] i5-660 Processor, 3.33 GHz, 4M Cache, 32nm, 73W TDP, LGA1156 (2 cores/4 threads), with integrated graphics Intel [®] Core [™] i3-540 Processor, 3.06 GHz, 4M Cache, 32nm, 73W TDP, LGA1156 (2 cores/4 threads), with integrated graphics Intel [®] Pentium [®] Dual Core G6950 Processor, 2.80 GHz, 3M Cache, 32nm, 73W TDP, LGA1156 (2 cores/2 threads), with integrated graphics
Chipset	Intel [®] Q57 Express Chipset
Memory	2x 240-pin DIMM sockets Dual-channel DDR3 1066/1333MHz, up to 4GB
TPM	Infineon [®] SLB9635 TT1.2
BIOS	AMIBIOS [®] 64Mb SPI flash memory with Intel [®] Manageability Engine
Watchdog Timer	1-255 sec. or min. software programmable, can generate system reset
Hardware Monitor	CPU/System temperature, fan speed and onboard DC voltages
Operating Systems	Windows [®] XP/Vista/Vista x64/Server 2008/Fedora [™] 10

I/O Interfaces

Serial ATA	6x Serial ATA II ports with 3.0 Gbps data transfer rate (4x onboard headers, 2x backplane) Intel [®] Rapid Storage Technology, supports RAID 0/1/5/10
Expansion Slot	1x PCIe Mini Card slot
USB	9x USB 2.0 ports (1x faceplate, 4x onboard pin headers and 4x via backplane)
KB/MS	1x Mini-DIN for PS/2 keyboard/mouse
Floppy	1x Floppy
Parallel Port	1x LPT
Serial Port	5x RS-232, 1x RS-232/422/485

Audio

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

Integrated Graphics	Integrated in Clarkdale processor
External Graphics	PCI Express x16 or onboard PCI Express Mini Card slot for optional mPCIe-8770

Ethernet

Controller	Intel [®] 82578DM Gigabit Ethernet PHY Intel [®] 82574L Gigabit Ethernet Controller
Interface	PCIe x1 bus
iAMT	Supports Intel [®] AMT 6.0 on 82578DM
Wake On LAN	Yes

Mechanical and Environmental

Form Factor	PICMG [®] 1.3
Dimensions	338 mm x 122 mm (L x W)
Operating Temp.	0°C to 50°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-E330	PICMG 1.3 [®] Full-Size Intel [®] Core [™] i7/i5/i3 LGA1156 SHB

Optional Accessories

Model Number	Description/Configuration
LGA1156 Cooler	LGA1156 3U Thermal Module
DB-Audio2	High Definition Audio daughter board with Mic-in/Line-in/Line-out
mPCIe-8770	PCIe 2D VGA Display Card

Packing List

NuPRO-E330	1x Y-cable for PS/2 keyboard/mouse
1x Floppy cable	1x USB 2.0 cable bracket
1x COM port cable with bracket	1x COM+parallel port cables with bracket
2x SATA data cable	1x dual-plug SATA power cable
Driver DVD	User's manual
2x dual-port COM cables with bracket	