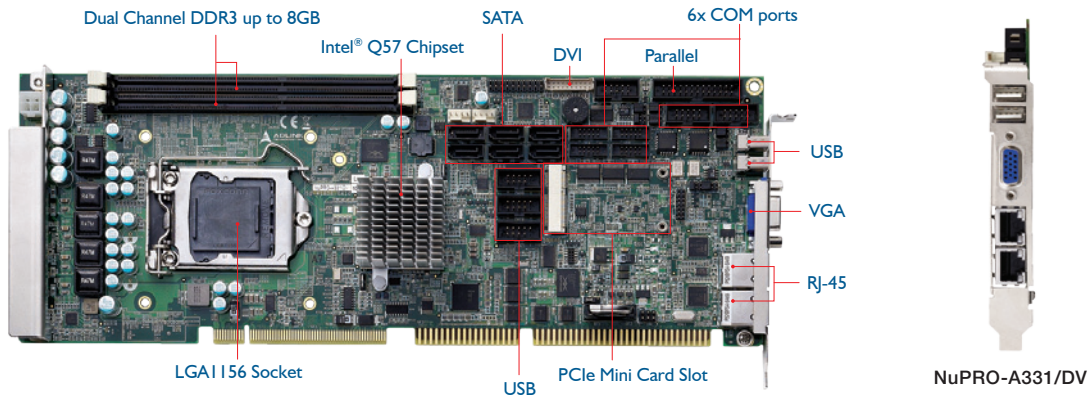


# NuPRO-A33 I

PICMG® 1.0 Full-Size LGA1156 Intel® Core™ i7/i5/i3/Pentium® Processor-based SBC



## Features

- LGA1156 Intel® Core™ i7/i5/i3/Pentium® Dual Core Processor
- Intel® Q57 Express Chipset supports PCI Express 2.0
- Intel® Matrix Storage Technology, supports RAID 0/1/5/10
- Dual-Channel DDR3-1066/1333 MHz, up to 8GB
- PCIe Mini Card slot
- 6x COM ports (including 2x RS-232/422/485/485+)

## Specifications

### Processor & System

<b>CPU</b>	Intel® Core™ i7-860 Processor, 2.80 GHz, 8M Cache, 45nm, 95W TDP, LGA1156, No Graphics (4 cores/8 threads) Intel® Core™ i5-750 Processor, 2.66 GHz, 8M Cache, 45nm, 95W TDP, LGA1156, No Graphics (4 cores/8 threads) Intel® Core™ i5-660 Processor, 3.33 GHz, 4M Cache, 32nm, 73W TDP, LGA1156 (2 cores/4 threads) Intel® Core™ i3-540 Processor, 3.06 GHz, 4M Cache, 32nm, 73W TDP, LGA1156 (2 cores/4 threads) Intel® Pentium® Dual Core G6950 Processor, 2.80 GHz, 3M Cache, 32nm, 73W TDP, LGA1156 (2 cores/4 threads)
<b>Chipset</b>	Intel® Q57 Express Chipset (Ibex Peak)
<b>Memory</b>	2x 240-pin DIMM sockets Dual-channel DDR3 1066/1333 MHz, up to 8 GB
<b>TPM</b>	Infineon® SLB9635 TT1.2 (optional)
<b>BIOS</b>	AMIBIOS® 8MB SPI flash memory
<b>Watchdog Timer</b>	1-255 sec. or min. software programmable, can generate system reset
<b>Hardware Monitor</b>	CPU/System temperature, fan speed and onboard DC voltages
<b>Operating Systems</b>	Windows® XP, 7 32/64-bit, Server 2008 Fedora™ 12, Red Hat Enterprise Linux 5

## I/O Interfaces

<b>Serial ATA</b>	6x SATA 3 Gb/s ports Intel® Matrix Storage Technology, supports RAID 0/1/5/10
<b>Expansion Slots</b>	1x PCIe Mini Card slot
<b>USB</b>	8x USB 2.0 ports (2x faceplate, 6x onboard pin headers)
<b>KB/MS</b>	1x onboard pin header for PS/2 keyboard/mouse
<b>Parallel Port</b>	1x LPT
<b>Serial Port</b>	4x RS-232, 2x RS-232/422/485/485+

## Audio

<b>Audio Codec</b>	Realtek® ALC262 support by DB-Audio2 daughter board
<b>Interface</b>	Pin header for High Definition Audio interface

## Display

<b>Integrated Graphics</b>	Integrated in i5-660/i3-540/G6950 processor
<b>External Graphics</b>	PCI Express Mini Card slot for optional mPCIe-8770 Onboard pin header for DVI-D (optional)

## Ethernet

<b>Controller</b>	Dual Intel® 82574L Gigabit Ethernet Controller (optional)
<b>Interface</b>	PCIe x1 bus
<b>Wake On LAN</b>	Support on LAN1

## Mechanical and Environmental

<b>Form Factor</b>	Full-Size PICMG® 1.0 SBC
<b>Dimensions</b>	338 mm x 122 mm (L x W)
<b>Operating Temp.</b>	0°C to 60°C
<b>Storage Temp.</b>	-20°C to 80°C
<b>Certifications</b>	CE, FCC Class A
<b>Relative Humidity</b>	10% to 90%, non-condensing

## Ordering Information

Model Number	Description/Configuration
NuPRO-A33 I/DV	PICMG® 1.0 Full-Size LGA1156 Intel® Core™ i7/i5/i3/Pentium® Processor-based SBC with DDR3, Dual-GbE, mini PCIe slot, TPM, DVI

Note: CPU, Memory module and Cooler kit are not included.

## Optional Accessories

Model Number	Description/Configuration
LGA1156 1U CPU Cooler	LGA1156 1U Thermal Module
LGA1156 2U CPU Cooler	LGA1156 2U Thermal Module
LGA1156 3U CPU 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
DVI cable with bracket	
LPT cable with bracket	
PS/2 cable with bracket for keyboard/mouse	

## Packing List

NuPRO-A33 I	1x USB 2.0 cable with bracket
3x 2-port COM cables with bracket	2x SATA data cable
Driver DVD	User's manual