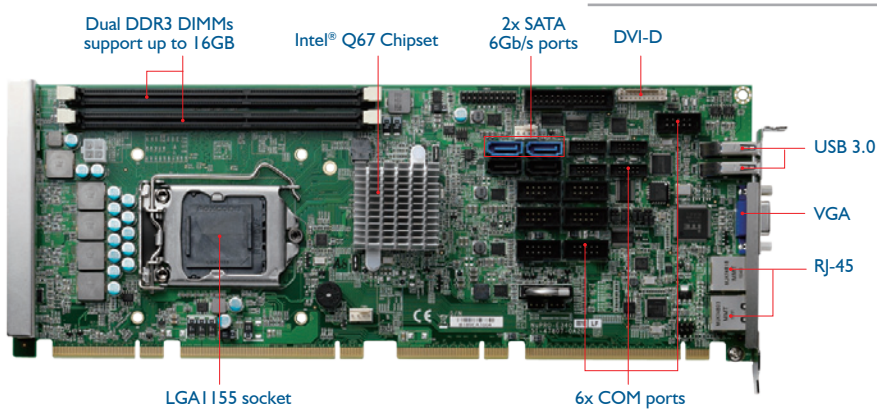
NuPRO-E340

PICMG® 1.3 Full-Size LGA1155 Intel® Core™ i7/i5/i3/Pentium®/Celeron® Processor-based SHB





NuPRO-E340

Features

- 2nd Gen and 3rd Gen Intel® Core™ i7/i5/i3/Pentium®/Celeron® processor
- Intel® Q67 Express chipset supporting PCI Express 2.0
- Intel® Rapid Storage Technology, supports RAID 0/1/5/10
- 6x COM ports (including 1x RS-232/422/485/485+)
- Supports USB 3.0 with 5 Gb/s data transfer rate
- Supports Serial ATA with 6 Gb/s data transfer rate

Specifications

Processor & System	
CPU	Intel® Core™ i7-3770, 3.4 GHz, 8M Cache, 22nm, 77W TDP, LGA1155 (4C)
	Intel® Core™ i7-2600, 3.4 GHz, 8M Cache, 32nm, 95W TDP, LGA1155 (4C)
	Intel® Core™ i5-3550S, 3.0 GHz, 6M Cache, 22nm, 65W TDP, LGA1155 (4C)
	Intel® Core™ i5-2400, 3.1 GHz, 6M Cache, 32nm, 95W TDP, LGA1155 (4C)
	Intel® Core™ i3-3220, 3.3 GHz, 3M Cache, 22nm, 55W TDP, LGA1155 (2C)
	Intel® Core™ i3-2120, 3.3 GHz, 3M Cache, 32nm, 65W TDP, LGA1155 (2C)
	Intel® Pentium® G2120, 3.1 GHz, 3M Cache, 22nm, 55W TDP, LGA1155 (2C)
	Intel® Pentium® G850, 2.9 GHz, 3M Cache, 32nm, 65W TDP, LGA1155 (2C)
	Intel® Celeron® G540, 2.5 GHz, 2M Cache, 22nm, 55W TDP, LGA1155 (2C)
Chipset	Intel® Q67 Express Chipset (Cougar Point)
Memory	2x 240-pin DIMM sockets
	Dual -channel DDR3 1333/1600MHz, up to 16 GB
TPM	Infineon SLB 9635 TT 1.2
BIOS	AMIBIOS 64 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
Operating Systems	Windows® XP, 7 32/64-bit
	Fedora™ 14, Red Hat Enterprise Linux 5

I/O Interfaces

Serial ATA	2x SATA 6 Gb/s ports
	4x SATA 3 Gb/s ports
	Supports RAID 0/1/5/10
PCI/PCIe Busses (via backplane)	1x PCIe x16, Rev. 2.0
	1x PCIe x4, Rev. 2.0
	4x PCI 32-bit/33MHz
USB	2x USB 3.0 ports on faceplate
	12x USB 2.0 ports (8x onboard pin headers and 4x backplane)
KB/MS	1x internal pin header for 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	Integrated Intel® HD Graphics
VGA	Resolutions up to 2048 x 1536 @ 75 Hz
DVI	1x internal pin header for DVI-D output

Ethernet

Controller	Intel® 82579LM Gigabit Ethernet PHY
	Intel® 82574L Gigabit Ethernet Controller
Interface	PCIe x1 bus
iAMT	Supports Intel® AMT 7.0
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-E340	PICMG® 1.3 Full-Size LGA1155 Intel® Core™ i7/i5/i3/Pentium®/ Celeron® Processor-based SHB

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
DVI cable with bracket	
LPT cable with bracket	
PS/2 cable with bracket for keyboard/mouse	

Packing List

NuPRO-E340	1x 2-port USB 2.0 cable with bracket
2x SATA data cable	3x 2-port COM cables with bracket
User's manual	Driver DVD

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