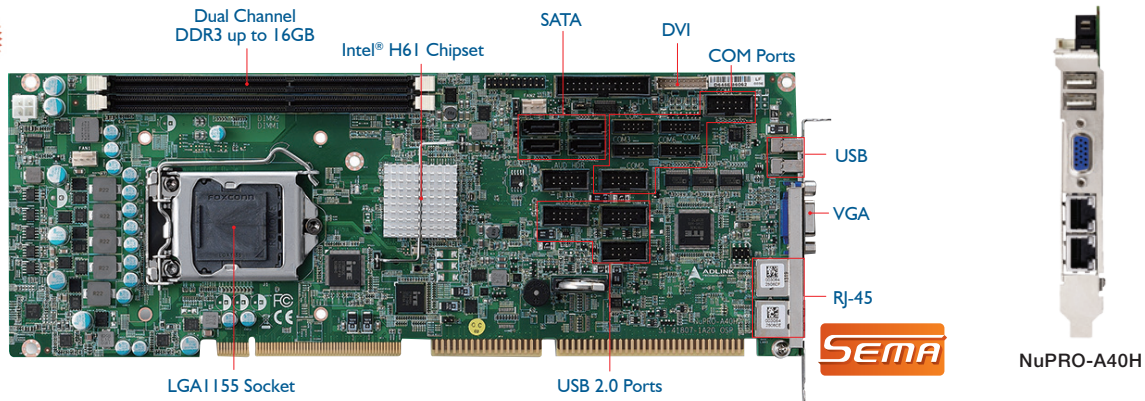


NuPRO-A40H

PICMG 1.0 Full-Size LGA1155 Intel® Core™ i7/i5/i3/Pentium®/Celeron® Processor-based SBC



Features

- 3rd Gen Intel® Core™ i7/i5/i3/Pentium®/Celeron® processor
- Intel® H61 Express Chipset supports PCI Express 2.0
- 6x COM ports (including 1x RS-232/422/485)
- Smart Embedded Management Agent (SEMA) Hardware Monitor

Specifications

Processor & System

CPU	Intel® Core™ i7-3770, 3.4 GHz, 8M Cache, 22nm, 77W TDP, LGA1155 Intel® Core™ i5-3550S, 3.0 GHz, 6M Cache, 22nm, 65W TDP, LGA1155 Intel® Core™ i3-3220, 3.3 GHz, 3M Cache, 22nm, 55W TDP, LGA1155 Intel® Pentium® G2120, 3.1 GHz, 3M Cache, 22nm, 55W TDP, LGA1155 Intel® Celeron® G540, 2.5 GHz, 2M Cache, 32nm, 65W TDP, LGA1155
Chipset	Intel® H61 Express Chipset
Memory	2x 240-pin DIMM sockets Dual-Channel DDR3 1600/1333 MHz, up to 16 GB
TPM	N/A
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 by LEMT
Operation Systems	Windows® XP/7, 32/64-bit, Fedora 17, RedHat Enterprise Linux 6

I/O Interfaces

Serial ATA	4x Serial ATA ports with 3.0 Gbps data transfer rate
Expansion Slot	N/A
USB	8x USB 2.0 ports (2x facrplate, 6x onboard pin headers)
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 with auto flow control (BIOS selectable)

Audio

Audio Codec Interface	Realtek® ALC262 support by DB-Audio2 Pin header for High Definition audio interface
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Display

Graphics	Intel® HD Graphics integrated in processor
VGA	Resolutions up to 2048 x 1536 @ 75 Hz
DVI	1x internal pin header for DVI-D output

Ethernet

Controller	Dual Intel® I211-AT Gigabit Ethernet Controller
Interface	PCIe x1 Bus
Wake On LAN	Support on LAN1

Mechanical and Environmental

Form Factor	PICMG 1.0
Dimensions	338 mm x 122 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-A40H	PICMG 1.0 Full-Size LGA1155 Intel® Core™ i7/i5/i3/Pentium®/Celeron® Processor-based SBC

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

Optional Accessories

Model Number	Description/Configuration
Low Profile CPU Cooler	LGA1156 Low Profile Thermal Module
3U CPU Cooler	LGA1156 3U Thermal Module
DB-Audio2	High Definition audio daughter board with Mic-in/Line-in/Line-out
DVI cable	
Parallel Port cable with bracket	

Packing List

NuPRO-A40H	1x 2-port USB 2.0 cable bracket
3x Dual COM port cable with bracket	2x SATA data cable
Driver DVD	User's Manual