NuPRO-A40H

PICMG 1.0 Full-Size LGA1155 Intel® Core™ i7/i5/i3 SBC

NEW

Dual Channel DDR3 up to 16GB

Intel® H61 chipset

SATA

DVI

USB

VGA

RJ-45

LGA1155 Socket

6x COM ports

SEMA

1 AdvancedTCA
2 6U cPCI Blades
3 6U cPCI Platforms
4 3U cPCI Blades
5 3U cPCI Platforms
6 Industrial Computers
7 Embedded Computing Systems
8 IPC Accessories
9 SSDs
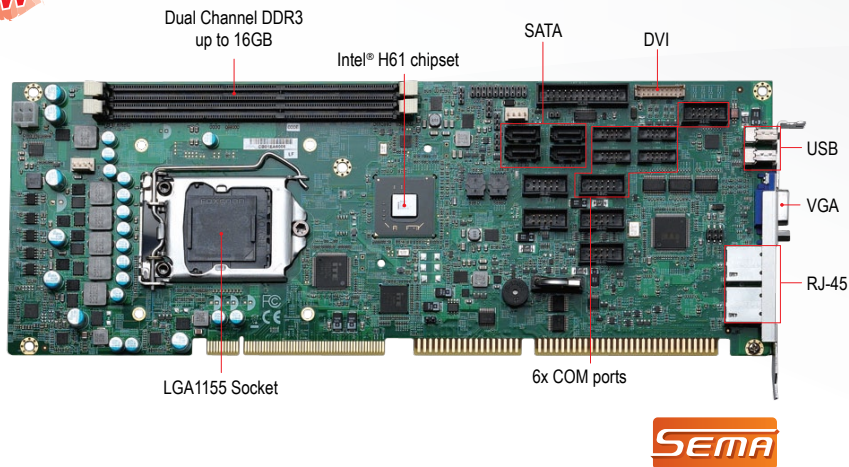
Features

- Intel® H61 Express Chipset supports Intel® 3rd Generation Core™ i7/i5/i3 processors
- 6x COM ports (including 1x RS-232/422/485 with auto flow control)
- 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, 22nm, 55W TDP, LGA1155
Chipset	Intel® H61 Express Chipset
Memory	2x 240-pin DIMM sockets
	Dual-Channel DDR3 1600/1333MHz, up to 16GB
BIOS	AMIBIOS 64Mb 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 32-bit/7 32/64-bit, Red Hat Enterprise Linux 6

I/O Interfaces

Serial ATA	4x Serial ATA ports with 3.0 Gbps data transfer rate
USB	10x USB 2.0 ports (2x faceplate, 8x 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)

Display

Graphics	Intel® HD Graphics integrated in processor
VGA	Resolutions up to 2048x 1536 @ 75 Hz
DVI	DVI-D, resolution up to 1920x1200 @60Hz

Audio

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

Ethernet

Controller	Dual Intel® I211-AT Gigabit Ethernet Controller
Interface	PCIex1 Bus
Wake On LAN	Yes

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 Intel® Core™ i7/i5/i3 LGA1155 SBC

Optional Accessories

Model Number	Description/Configuration
3U CPU Cooler	LGA1155 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

ADLINK TECHNOLOGY INC.