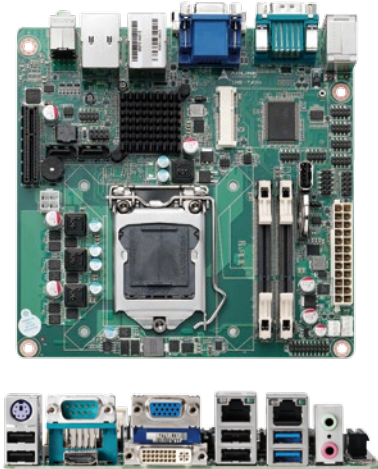


# AmITX-IB-I

## Mini-ITX Embedded Board with Intel® Core™ i7/i5/i3 Processors

### Features

- Intel® Core™ i7/i5/i3 Processor
- VGA, DVI-D, HDMI display output
- PCIe x4 and PCIe Mini Card slot
- Dual USB 3.0 ports



### Specifications

#### Processor & System

CPU	Intel® Xeon® Processor E3-1275v2, 3.5 GHz, 8M Cache, 22nm, 77W TDP, LGA1155 (4C) Intel® Xeon® Processo E3-1225v2 , 3.2 GHz, 8M Cache, 22nm, 77W TDP, LGA1155 (4C) Intel® Core™ i7-3770, 3.40 GHz, 8M Cache, 22nm, 77W TDP, LGA1155 (4C) Intel® Core™ i5-3550S, 3.0 GHz, 6M Cache, 22nm, 65W TDP, LGA1155 (4C) Intel® Core™ i3-3220, 3.30 GHz, 3M Cache, 22nm, 55W TDP, LGA1155 (2C) Intel® Pentium® G2120, 3.10 GHz, 3M Cache, 22nm, 55W TDP, LGA1155 (2C) Intel® Celeron® G1620, 2.7 GHz, 2M Cache, 22nm, 55W TDP, LGA1155 (2C)
Chipset	Intel® H61 Express Chipset
Memory	Two channel DDR3-1333/DDR3L-1600 (DDR3L I/O Voltage is 1.5V) support Two 204PIN DDR3 SODIMM Socket (Vertical type) Maximum capacity per DIMM 8GB Maximum capacity 16GB DDR3 1333 support 1G/2G/4G DDR3L(DDR3L I/O Voltage is 1.5V) 1600 support 2G/4G/8G
BIOS	AMI 32 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
Operation Systems	Windows® XP/7 32/64-bit, Fedora™ 17, RedHat™ Enterprise Linux 6

#### I/O Interfaces

Serial ATA	2x Serial ATA II port with 3.0 Gbps data transfer rate
Expansion Slots	1x PCI Express x4 slot complied with PCI Express Base 2.0 specification 1x Mini-PCIe full card support (Gen2 IF colay with USB2.0/mSATA SATAII)
USB	2x USB3.0 connector at rear side 4x USB2.0 connector at rear side, 1x USB2.0 connector on board (vertical type), 2x USB2.0 pin header by onboard pin headers
KB/MS	1x PS/2 connector at rear side
Serial Port	5x RS-232 pin headers, 1x RS-232/422/485 connector at rear side
Digital IO	8 in and 8 out, one +5V and one ground pin, one SMB_CLK and one SMB_DATA pin

#### Audio

Audio Codec Interface	Realtek® ALC892 Line-out, Mic-in
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#### Display

Graphics	Intel® HD Graphics (based on CPU)
CRT	VGA support up to 2048 x 1536@75 Hz
DVI	DVI-D support up to 1920x1200@60 Hz
HDMI	HDMI V1.3a support up to 1920x1200@60 Hz
Dual Display	VGA+DVI-D, VGA+HDMI, DVI+HDMI

#### Ethernet

Controller	2x 10/100/1000BASE-T Gigabit Ethernet ports by Realtek RTL8111E
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## Specifications

### Mechanical and Environmental

Dimensions	170 mm x 170 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-condensed

## Ordering Information

### Modules

Model Number	Description/Configuration
AmlTX-IB-I	Mini-TX Intel® Core™ i7/i5/i3 Embedded Board