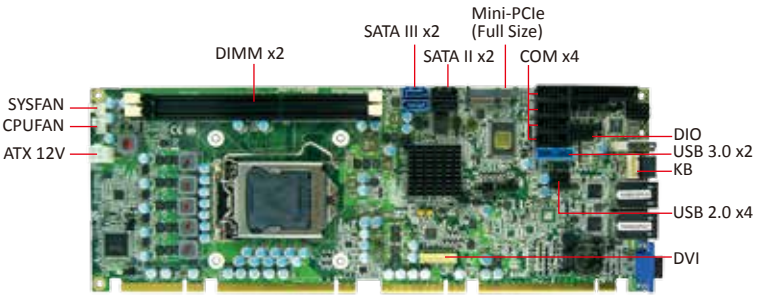
ASBC-IVB1-Q770 (WSBC-Q771)

Intel® Q77 based PICMG 1.3 SBC supports 3rd Generation Intel® Core™ i7/i5/i3/ Celeron® Processors with VGA/DVI-D, 6 SATA, 4 COM, 11 USB, Dual GbE LAN.



RAID | Dual GbE | Mini PCIe

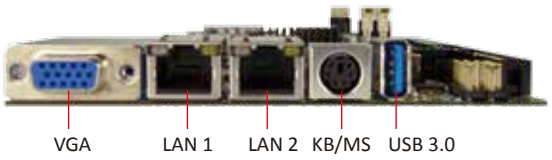
Key Features

- 3rd Gen. Intel® Core™ i7/i5/i3/ Celeron® processors with Intel® Q77 chipset
- Two 240-pin DIMM up to 16GB DDR3 1333/1600MHz SDRAM
- Dual Display: VGA/DVI-D
- Two Intel® Gigabit Ethernet ports
- 4 PCI, 1 PCIe x4, 1 PCIe x16 and 1 Mini-PCIe (w/ mSATA) expansion slots
- 2 SATA III, 4 SATA II (2 on BP), 4 COM, 3 USB 3.0 and 8 USB 2.0 (4 on BP)

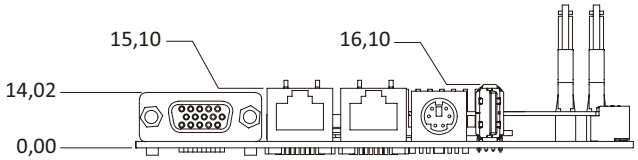
Product Specification

System Processor/Chipset	
Processor	3rd Gen. Intel® Core™ i7/i5/i3/ Celeron® processors (LGA1155)
Chipset	Intel® Q77 PCH
BIOS	AMI SPI Flash ROM
Memory	
Technology	DDR3 1333/1600MHz SDRAM
Max. capacity	Up to 16GB
Socket	2 x 240-pin DIMM
Display	
Graphics	Intel® HD Graphics
Display interface	VGA, DVI-D
Dual display	VGA + DVI-D
Resolution	VGA: Up to 2048 x 1536 @ 60Hz DVI-D: Up to 1920 x 1200 @ 60Hz
Ethernet	
Interface	10/100/1000 Mbps
Controller	LAN1: Intel® 82583V GbE LAN2: Intel® 82583V GbE
Connector	2 x RJ45
Audio	
Interface	Line-in, Line-out, Mic-in
CODEC	Realtek ALC662 HD
Expansion Slot	
PCI	4
PCIe x4	1
PCIe x16	1
Mini-PCIe	1(Full size w/ mSATA)
SATA	
Max. data transfer rate	SATA III: 6.0Gb/s, SATA II: 3.0Gb/s
Port	2 x SATA III 4 x SATA II (2 x on Backplane)
I/O	
Audio	Line-in, Line-out, Mic-in (Onboard pin-header)
USB	3 x USB 3.0 (1 x Rear I/O, 2 x Onboard box-header) 8 x USB 2.0 (4 x Onboard pin-header, 4 x on Backplane)
COM	3 x RS-232 (Onboard box-header) 1 x RS-232/422/485 (Onboard box-header)
HDMI/VGA/DVI/DP	1 x VGA (Rear I/O) 1 x DVI-D (Onboard box-header)
DIO	4-in / 4-out
LPT	1
SMBus	1
PS/2	1 (KB/MS on Rear I/O) 1 (KB Onboard box-header)
Power Requirement	
Power connector	1 x ATX (+12V 2x2-pin)
Power type	ATX
Power mode	AT/ATX (by jumper selection)
Watchdog Timer	
Interval	Programmable 1 ~ 255 sec/min
Output	System reset
Environment	
Operating temperature	0°C ~ 60°C (32°F ~ 140°F)
Storage temperature	-20°C ~ 80°C (-4°F ~ 176°F)
Relative humidity	0% ~ 95% (non-condensing)
Form Factor	
Dimensions (L x W)	PICMG 1.3 Full-size SBC 338.5mm x 126.39mm (13.33" x 4.98")

Rear I/O



Dimensions



Ordering Information

ASBC-IVB1-Q770 (MOQ required)
3rd Gen. Intel® Core™ i7/i5/i3/ Celeron® processors with Intel® Q77 chipset, 2 x DDR3 DIMM up to 16GB, 1 x VGA, 1 x DVI-D, 2 x GbE LAN, 4 x PCI slots, 1 x PCIe x4 slot, 1 x PCIe x16 slot, 1 x Mini-PCIe slot (w/ mSATA), 2 x SATA III, 4 x SATA II (2 on BP), 3 x USB 3.0, 8 x USB 2.0 (4 on BP), 4 x COM, ATX power, PICMG 1.3 Full-size SBC.

*All specifications and photos are subject to change without prior notice