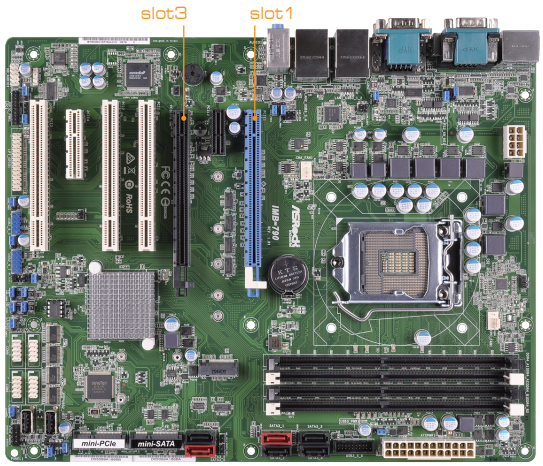
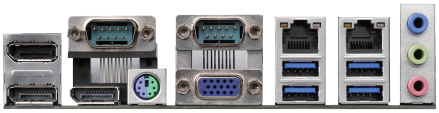
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IMB-X790

ATX Motherboard

Spotlight Features

- Supports Intel® Xeon® E3 v6 and E3 v5 Processor
- Supports Intel 7th/6th Gen (Kabylake-S/Skylake-S) Core™ Processors
- Supports Dual Channel DDR4 2133MHz, up to 64GB
- Supports ECC UDIMM memory modules
- 1 x VGA, 3 x Displayport
- 6 xUSB 3.0, 6 x USB 2.0, 6 x SATA3
- 1 x PCIe x16, 1 x PCIe x8, 1 x PCIe x4, 1 x PCIe x1, 3 x PCI,
- 1 x Mini-PCIe, 1 x mSATA, 1 x M.2 Key M
- 2 x Intel LAN
- 1 x TPM IC onboard
- ATX PWR Con (24+8-pin)
- Supports RAID 0, 1, 5, 10

Specifications

Processor System	
Dimensions	ATX (12-in x 9.6-in)
CPU	Supports Intel® Xeon® E3 v6 and E3 v5 Processor Supports Intel 7th/6th Gen (Kabylake-S/Skylake-S) Core™ Processors
Chipset	Intel® C236

Expansion Slot	
PCIe	1 x PCIe x16(Support riser card), 1 x PCIe x8, 1 x PCIe x4, 1 x PCIe x1 **Slot1: Gen3 x16 link, auto switch to x8 link if Slot3 is occupied.
PCI	3
Mini-PCIe	1 x Full/Half size with PCIe x1 and USB2.0
mSATA	1 x Full size with shared SATA3 and USB2.0
M.2	1x M.2 (Key M, 2230/42/60/80/110) with PCIe x4 and shared SATA3 for SSD

Memory	
Technology	Dual Channel DDR4 2133MHz
Max.	64GB
Socket	4 x Long-DIMM

Graphics	
Controller	Intel® Gen9 Graphics DX 11/12, OGL4.3/4.4
VGA	Supports max resolution up to 1920 x 1200
LVDS	N/A
eDP	N/A
HDMI	N/A
DVI	N/A
DisplayPort	Supports max resolution up to 4096 x 2160@60Hz
Multi Display	Triple Display

Ethernet	
Interface	10/100/1000 Mbps
Controller	1 x Intel I210, 1 x Intel I219LM

Environment	
Operating Temperature	0°C – 60°C
Storage Temperature	-40°C – 85° C

Rear I/O	
VGA	1
DVI	N/A
HDMI	N/A
DisplayPort	3
Ethernet	2
USB	4 x USB 3.0
Audio Jack	3 (Mic-in, Line-in, Line-out)
Serial	2 x COM(RS-232/422/485)
PS/2	1 x PS/2 combo

Internal Connector	
USB	2 x USB 3.0, 6 x USB 2.0 (2 x header,2 vertical Type-A)
LVDS	N/A
eDP	N/A
VGA	N/A
Serial	4 x COM (RS-232)
SATA	6 (SATA1 shared with MSATA, SATA5 shared with M.2)
Parallel	1 (shared with GPIO)
GPIO	8 x GPI, 8 x GPO (shared with LPT header)
SATA PWR Output Con	N/A
Speaker Header	N/A
TPM	1 x IC onboard

Watchdog Timer	
Output	From Super I/O to drag RESETCON#
Interval	256 segments, 0,1,2...255sec/min

Power Requirements	
Input PWR	ATX PWR Con (24+8-pin)
Power On	AT/ATX Supported AT : Directly PWR on as power input ready ATX : Press button to PWR on after power input ready

intel IoT Solutions Alliance

The specification is subject to change without notice. The brand and product names are trademarks of their respective companies. Any configuration other than original product specification is not guaranteed.