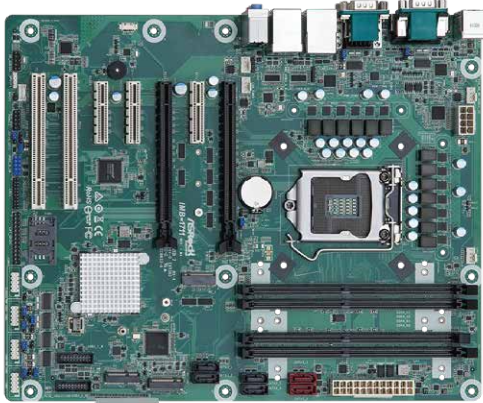


IMB-1711 / IMB-X1711

ATX Motherboard

KEY FEATURES



- Intel® 10th Gen (Comet Lake-S) Core™ Processors with Q470E chipset (IMB-1711)
- Intel® 10th Gen (Comet Lake-S) Core™ Processors with W480E chipset (IMB-X1711)
- 4 x 288-pin Long-DIMM DDR4 2933 MHz , up to 128GB (32GB per DIMM) (IMB-1711)
- 4 x 288-pin ECC/non-ECC Long-DIMM DDR4 2933 MHz, up to 128GB (32GB per DIMM) (IMB-X1711)
- 1 x PCIe x16 (Gen3), 1 x PCIe x8 (Gen3), 3 x PCIe x4 (Gen3), 2 x PCI, 4 x USB 3.2 Gen2, 4 x USB 3.2 Gen1, 4 x USB 2.0,
- 1 x M.2 Key E, 1 x M.2 Key M, 1 x M.2 Key B, 6 x COM, 6 x SATA3
- 1 x Intel 2.5 Gigabit LAN, 1 x Intel 1 Gigabit LAN
- Supports Triple display, 1 x HDMI 2.0b, 1 x DP1.2, 1 x VGA
- TPM 2.0 onboard IC
- Supports Intel® vPro, AMT, VMD RAID 0/1/5/10
- ATX PWR (8+24 Pin)

SPECIFICATIONS

Form Factor	IMB-1711	IMB-X1711
Dimensions	ATX (12-in x 9.6-in x 1.4-in, 30.5 cm x 24.4 cm x 3.6 cm)	

Processor System		
CPU	Intel® 10th Gen (Comet Lake-S) Core™ Processors, up to 125W	
Chipset	Intel® Q470E	Intel® W480E
Socket	LGA1200	
BIOS	AMI SPI 256 Mbit	

Memory		
Technology	Dual Channel DDR4 2933 MHz	Dual Channel ECC/non-ECC DDR4 2933 MHz
Capacity	128GB (32GB per DIMM)	
Socket	4 x 288-pin Long-DIMM	

Graphics		
Controller	Intel® UHD Graphics	
HDMI	HDMI 2.0a Max resolution up to 4096x2160@60Hz	
DisplayPort	DisplayPort 1.2, DP++ Max resolution up to 4096x2160@60Hz	
VGA	Max resolution up to 1920x1200@60Hz	
MultiDisplay	Triple Display	

Expansion Slot		
PCIe	3 x PCIe Gen3 Slots (PCIe1/PCIe2/PCIe3: single at x16 (PCIe1); dual at x8 (PCIe1) / x8 (PCIe3); triple at x8 (PCIe1) / x4 (PCIe2) / x4 (PCIe3)) 2 x PCIe x4 (Gen3)	
PCI	2 x PCI	
M.2	1 x M.2 (Key E, 2230) with PCIe x1, USB 2.0 and CNVi for Wireless 1 x M.2 (Key B, 3042/3052) with PCIe x1, USB3.2 Gen1, USB 2.0 and SIM for 4G/5G	
SIM Socket	1x SIM socket connected to M.2 key B	

Audio		
Interface	Realtek ALC897/ALC887, High Definition Audio. Line-in, Line-out, Mic-in	

Ethernet		
Controller/ Speed	LAN1: Intel® I225LM/I225V with 10/100/1000/2500 Mbps LAN2: Intel® I219LM with 10/100/1000 Mbps, support AMT/vPro	
Connector	2 x RJ-45	

Rear I/O	IMB-1711	IMB-X1711
HDMI	1 x HDMI 2.0a	
DisplayPort	1 x DP 1.2++	
VGA	1	
Ethernet	1 x 1 Gigabit LAN, 1 x 2.5 Gigabit LAN	
USB	4 x USB 3.2 Gen2 2 x USB 2.0	
Audio	3 (Mic-in, Line-in, Line-out)	
COM	COM1, COM2 (RS-232/422/485)	

Internal Connector		
USB	4 x USB 3.2 Gen1 (2 x USB 3.1 header) 2 x USB2.0 (1x2.54 pitch header)	
COM	COM3, COM4, COM5, COM6 (RS-232)	
Parallel	1 (shared with GPIO)	
GPIO	8 x GPI, 8 x GPO, (shared with LPT header)	
TPM	TPM 2.0 onboard	

Storage		
M.2	1 x M.2 (Key M, 2242/2260/2280) with SATA3 and PCIe x4 for SSD * Shared with SATA3_5 / SA TA3_6 Ports - When using M.2 PCIe x4 SSD, both SATA3_5 and SA TA_6 Ports are disabled - When using M.2 SATA SSD, only SATA3_5 Port is disabled, and SATA3_6 Port is available	
mSATA	6 x SATA3 (6Gb/s)	
SATA	Intel® SATA RAID 0/1/5/10	

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

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

Environment		
Operating Temp	0°C ~ 60°C	
Storage Temp	-40°C ~ 85°C	
Operating Humidity	5% ~ 90%	
Storage Humidity	5% ~ 90%	