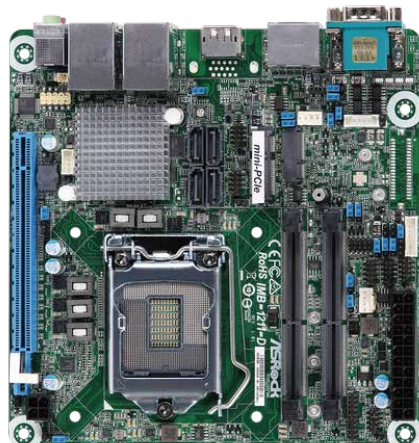


IMB-1211-L R3/ IMB-1211-D R3

Mini-ITX Motherboard

KEY FEATURES

- Intel® 9th/ 8th Gen (Coffee Lake-S) Core™ Processors with Q370 chipset
- 2 x 260-pin SO-DIMM up to 64GB* DDR4 2666MHz
- 1 x PCIe x16 (Gen3), 4 x USB 3.2 (Gen1), 4 x USB 2.0, 1 x mini-PCle, 1 x M.2 Key E, 1 x M.2 Key M, 5 x COM, 4 x SATA3
- 1 x Intel 2.5 Gigabit LAN, 1 x Intel 1 Gigabit LAN
- Supports triple display, 2 x DP 1.2, 1 x VGA, 1 x LVDS or eDP (IMB-1211-L R3)
- Supports triple display, 3 x DP 1.2, 1 x LVDS or eDP (IMB-1211-D R3)
- TPM 2.0 onboard IC
- Supports Intel® vPro, AMT, RAID 0/1/5/10
- ATX PWR



IMB-1211-L R3



IMB-1211-D R3

SPECIFICATIONS

Form Factor	IMB-1211-L R3	IMB-1211-D R3
Dimensions	Mini-ITX (6.7-in x 6.7-in x 1.5-in, 17.0 cm x 17.0 cm x 3.7 cm)	

Processor System

CPU	Intel® 9 th / 8 th Gen (Coffee Lake-S) Core™ Processors, up to 65W *The Performance of CPUs over 65W will be limited due to power design.	
Chipset	Intel® Q370	
Socket	LGA1151	
BIOS	AMI SPI 128 Mbit	

Memory

Technology	Dual Channel DDR4 2666 MHz	
Capacity	64GB* * Intel Core i9/i7/i5 CPUs support up to 64GB (32GB per DIMM) Intel Core i3/Pentium/Celeron CPUs support up to 32GB (16GB per DIMM)	
Socket	2 x 260-pin SO-DIMM	

Graphics

Controller	Coffee Lake integrated graphics	
HDMI	N/A	
DisplayPort	DisplayPort 1.2, DP++ Max resolution up to 4096x2304@60Hz	
VGA	Max resolution up to 1920x1200@60Hz	N/A
LVDS	Dual channel 24 bit up to 1920 x 1200@60Hz (Connector shared with eDP)	
eDP	Max resolution up to 1920 x 1080@60Hz (Connector shared with LVDS)	
DVI	N/A	
MultiDisplay	Triple Display	

Expansion Slot

PCIe	1 x PCIe x16 (Gen3, Support riser card x8/x8, x8/x4/x4)
PCI	N/A
mini-PCle	1 x Full/Half size with PCIe x1 and USB 2.0
M.2	1 x M.2 (Key E, 2230) with PCIe x1, USB 2.0 and CNVi for Wireless
SIM Socket	N/A

Audio

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

Controller/ Speed	LAN1: 1 x Intel® I226LM with 10/100/1000/2500 Mbps LAN2: 1 x Intel® I219LM with 10/100/1000 Mbps, supports AMT/vPro
Connector	2 x RJ-45

Rear I/O	IMB-1211-L R3	IMB-1211-D R3
HDMI	N/A	
DisplayPort	2 x DP 1.2	3 x DP 1.2
VGA	1	N/A
DVI	N/A	
Ethernet	2 x 1 Gigabit LAN	
USB	4 x USB 3.2 (Gen1)	
Audio	2 (Mic-in, Line-out)	
COM	COM3, 4(RS-232/422/485)	
PS2	N/A	

Internal Connector

USB	4 x USB 2.0 (2 x 2.00 pitch header)
COM	COM1, 2, 5(RS232)
Parallel	N/A
GPIO	4 x GPI, 4 x GPO
TPM	TPM 2.0 onboard IC
LVDS	1 (Connector with LVDS/eDP signal, switch by BIOS)
eDP	N/A
VGA	N/A
SATA PWR Output	N/A
Speaker Header	1

Storage

M.2	1 x M.2 (Key M, 2242/2260/2280) with PCIe x4 and SATA3 for SSD
mSATA	N/A
SATA	4 x SATA3 (6Gb/s)
RAID	Intel® SATA RAID 0/1/5/10
eMMC	N/A

Watchdog Timer

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

Power Requirements

Input PWR	ATX PWR (24+4-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%