



IMB-1715 – ATX Motherboard with Intel® Q870 Chipset for Intel® Core™ Ultra Processors

The IMB-1715 is a full-size ATX motherboard with support for Intel® Arrow Lake-S Core™ Ultra Processors. With full desktop performance and 5th generation PCIe expansion capability, this motherboard is a powerful and modern industrial solution. The IMB-1715 has quad-display support and expansion options allowing for deployment across many sectors.

SPECIFICATIONS

CPU	Intel® Core™ processors (Arrow Lake-S), up to 125W
CPU Socket	LGA1851
Memory Type	288-pin DDR5 6400/5600MHz DIMM
Memory Slots	4
Maximum Memory Supported	192GB
Chipset	Intel® Q870
Integrated Graphics	Intel® Xe LPG Graphics
Watchdog Timer	256 Segments, 0, 1, 2, ...255sec
Video	2 x HDMI 2.1 TMDS, 1 x DisplayPort 1.4a++, 2 x Thunderbolt 4 (Supports DisplayPort 2.1)
LAN Ports	1 x Intel® I219LM GbE vPro, 1 x Intel® I210AT GbE
Serial ATA (SATA)	4 x SATA III

Storage	1 x M.2 M-Key 2242/2280/22110/25110 PCIe Gen5 x4, 1 x M.2 M-Key 2242/2280 PCIe Gen4 x4
RAID	Intel® VMD RAID 0/1/5/10 **supported by identical interface (PCIe or SATA) PCIe interface: M.2 Key B + M.2 Key M SATA interface: SATA port
GPIO Interface	8 x GPI, 8 x GPO (shared with LPT header)
TPM	TPM 2.0 onboard IC
Extended Interface	2 x PCIe Gen5 Slots (Single at x16; dual at x8/x8) (PCIe1: Support Riser card x8/x8), 2 x PCIe Gen4 x4, 2 x PCIe Gen4 x1, 1 x M.2 E-Key 2230 PCIe Gen4 x1, 1 x M.2 B-Key 3042/3052 PCIe Gen4 x1
Rear I/O	2 x HDMI, 1 x DP, 2 x LAN, 5 x USB 3.2 Gen2, 1 x USB4/Thunderbolt 4 1 x Line-In, 1 x Line-Out, 1 x Mic-In, 2 x RS-232/422/485
Internal I/O	2 x USB 3.2 Gen1 Headers, 1 x USB 3.2 Gen2 Vertical Connector, 1 x USB4/Thunderbolt 4, 1 x RS-232/TTL 5V/ccTalk, switch by Jumper setting, 3 x RS-232, 1 x LPT/GPIO, 1 x Thunderbolt Header
Audio	Realtek® ALC897 HD Audio
Power Requirement	ATX Power (24+8+8-pin)
Dimensions	12" x 9.6" (305mm x 244mm)
Operating Temperature	-20 ~ 70 °C (-4 ~ 158 °F)
Storage Temperature	-40 ~ 85 °C (-40 ~ 185 °F)
Relative Humidity	5 ~ 90%
OS Software Supported	Windows 10 64-bit, Windows 11 64-bit
Global P/N / SKU	2809194

Ordering Options

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