



## **IMB-X1715 – ATX Motherboard with Intel® W880 Chipset for Intel® Core™ Ultra Processors**

The IMB-X1715 is a modern full-size ATX motherboard with support for Intel® Arrow Lake-S Core™ Ultra Processors. Equipped with the powerful Intel® W880 chipset, this board can run a wide array of PCIe expansion cards simultaneously making it an adaptable and customizable industrial solution. The IMB-X1715 also features quad-display support, allowing for deployment across sectors.

### **SPECIFICATIONS**

<b>CPU</b>	Intel® Core™ processors (Arrow Lake-S), up to 125W
<b>CPU Socket</b>	LGA1851
<b>Memory Type</b>	288-pin DDR5 ECC/non-ECC 5600MHz DIMM
<b>Memory Slots</b>	4
<b>Maximum Memory Supported</b>	192GB
<b>Chipset</b>	Intel® W880
<b>Integrated Graphics</b>	Intel® Xe LPG Graphics
<b>Watchdog Timer</b>	256 Segments, 0, 1, 2, ...255sec
<b>Video</b>	2 x HDMI 2.1 TMDS, 1 x DisplayPort 1.4a++, 2 x Thunderbolt 4 (Supports DisplayPort 2.1)
<b>LAN Ports</b>	1 x Intel® I219LM GbE vPro, 1 x Intel® I210AT GbE
<b>Serial ATA (SATA)</b>	4 x SATA III

<b>Storage</b>	1 x M.2 M-Key 2242/2280/22110/25110 PCIe Gen5 x4, 1 x M.2 M-Key 2242/2280 PCIe Gen4 x4
<b>RAID</b>	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
<b>GPIO Interface</b>	8 x GPI, 8 x GPO (shared with LPT header)
<b>TPM</b>	TPM 2.0 onboard IC
<b>Extended Interface</b>	2 x PCIe Gen5 Slots (single at x16; dual at x8/x8) (PCIe1: Support Riser card x8/x8), 3 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 x 1
<b>Rear I/O</b>	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
<b>Internal I/O</b>	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
<b>Audio</b>	Realtek® ALC897 HD Audio
<b>Power Requirement</b>	ATX Power (24+8+8-pin)
<b>Dimensions</b>	12" x 9.6" (305mm x 244mm)
<b>Operating Temperature</b>	-20 ~ 70 °C (-4 ~ 158 °F)
<b>Storage Temperature</b>	-40 ~ 85 °C (-40 ~ 185 °F)
<b>Relative Humidity</b>	5 ~ 90%
<b>OS Software Supported</b>	Windows 10 64-bit, Windows 11 64-bit
<b>Global P/N / SKU</b>	2809195

## Ordering Options

IMB-X1715 (SKU# 2809195): ATX Motherboard with Intel® W880 Chipset