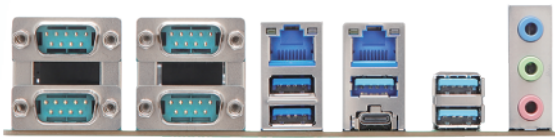
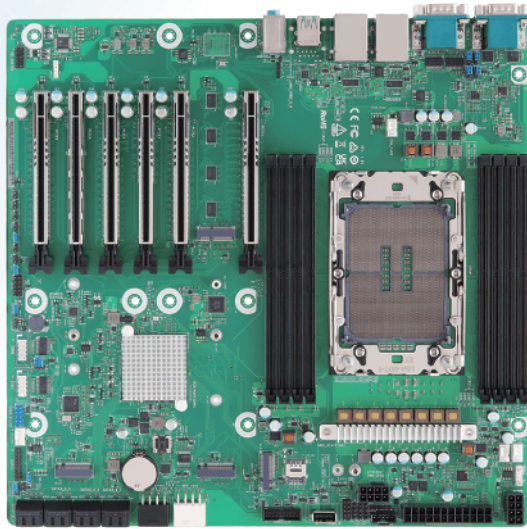
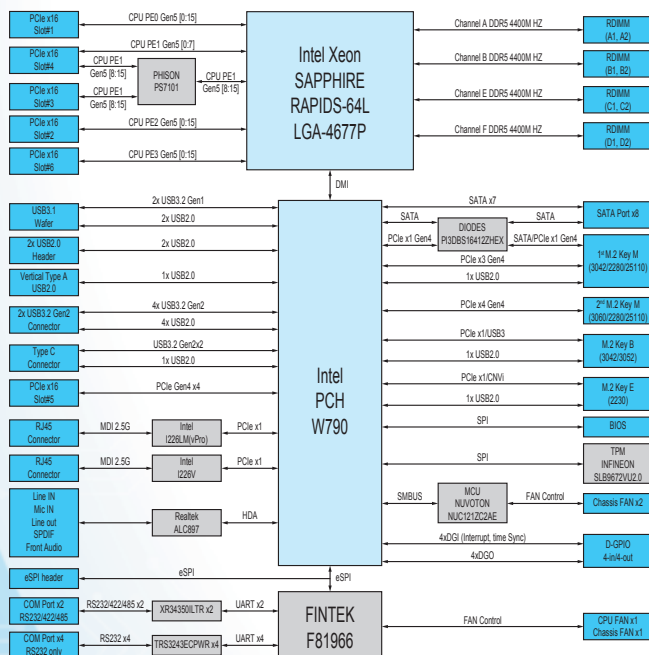


WI-IMB-X1900

EATX Motherboard



BLOCK DIAGRAM



SPECIFICATION

Processor System

CPU	● Intel® Xeon® W-3500/3400 and W-2500/2400 Series Processors
Chipset	● Intel® W790
Socket	● LGA4677
BIOS	● AMI SPI 256 Mbit

Form Factor

Dimensions	● EATX (12-in x 11.7-in x 1.6-in, 30.5 cm x 29.7 cm x 4.0 cm)
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Memory

Technology	● Quad Channel ECC DDR5 4400/4800 MHz* *1DPC 4800 MHz Natively for Xeon® W9, Xeon® W7 and Xeon® W5 2DPC 4400 MHz Natively for Xeon® W9, Xeon® W7 and Xeon® W5 Supports 4400 MHz Natively for Xeon® W3, W5-3423 and W5-3433
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Capacity	● 2TB
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Socket	● 8 x 288-pin RDIMM/RDIMM-3DS
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Expansion Slot

PCIe	● PCIe1: PCIe Gen5 x16 ● PCIe2: PCIe Gen4 x16 ● PCIe3/PCIe4: single at Gen4 x16 (PCIe4); dual at Gen4 x8 (PCIe3) / x8 (PCIe4) ● PCIe5: PCIe Gen4 x4 ● PCIe6: PCIe Gen4 x16
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M.2	● 1 x M.2 (Key E, 2230) with PCIe Gen3 x1, USB 2.0 and CNVi for Wireless ● 1 x M.2 (Key B, 3042/3052) with PCIe Gen3 x1, USB 3.2 Gen1, USB 2.0 and SIM for 4G/5G
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SIM Socket	● 1 x SIM socket connected to M.2 key B
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Audio

Interface	● Realtek ALC897, High Definition Audio. Line-in, Line-out, Mic-in
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Ethernet

Controller/ Speed	● LAN1: Intel® I226LM with 10/100/1000/2500 Mbps, supports vPro ● LAN2: Intel® I226V with 10/100/1000/2500 Mbps
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Connector	● 2 x RJ-45
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Rear I/O

Ethernet	● 2 x 2.5 Gigabit LAN
USB	● 5 x USB 3.2 Gen2 ● 1 x USB 3.2 Gen2x2 (Type-C, 5V/3A)
Audio	● 3 (Line-In/Line-Out/Mic-In)
Serial Port	● COM3, COM4 (RS-232) ● COM1, COM2 (RS-232/422/485)

Internal Connector

USB	● 2 x USB 3.2 Gen1 (1 x USB 3.2 header) ● 2 x USB 2.0 (1 x 2.54 pitch header) ● 1 x USB 2.0 (vertical con)
COM	● COM5, COM6 (RS-232)
GPIO	● 4 x GPI, 4 x GPO

Security

TPM	● TPM 2.0 onboard IC
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Storage

M.2	● 1 x M.2 (Key M, 2242/2280/25110) with PCIe Gen4 x4 and SATA3 for SSD ● 1 x M.2 (Key M, 2260/2280/25110) with PCIe Gen3 x4 for SSD
SATA	● 8 x SATA3, SATA3_0 shared with M.2 Key M1
RAID	● Intel® VMD RAID 0/1/5/10 **supported by identical interface (PCIe or SATA) PCIe interface: M.2 Key B + M.2 Key M1/2 or 2*M.2 Key M SATA interface: SATA port

Watchdog Timer

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

Power Requirements

Input PWR	● 1 x 24-pin ATX PWR connector ● 2 x 8-pin 12V PWR connector ● 1 x 8-pin and 1 x (6+2)-pin 12V PWR connector for PCIe
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	● -20°C ~ 70°C
Storage Temp	● -40°C ~ 85°C
Operating Humidity	● 5% ~ 90%
Storage Humidity	● 5% ~ 90%