

## 1U2LW-X470

- 1U Rackmount with 315W PSU
- Supports AMD AM4 Socket Ryzen™ Series CPUs and Ryzen 7nm CPUs
- Supports 4x DDR4 ECC and non-ECC UDIMM, max. 64 GB
- Supports internal 2 x 3.5" HDD or 1x3.5" HDD + 1x 2.5" HDD, external: Slim ODD x1
- Supports 1x PCIe 3.0 x16
- Supports Intel i210 \*2
- ASPEED 2500 for BMC controller, Realtek RTL8211E for dedicated IPMI GLAN

[Specifications](#)[Manual](#)[CPU Support List](#)[News](#)

### Specifications

System	
Form Factor	- 1U Rackmount
Chassis Model	- 1U2LW
Dimensions	- 394 x 482.6 x 44.4 mm (15.5" x 19" x 1.75")
Support MB	- X470D4U(mATX, 9.6" x 9.6")
Front Panel	
Buttons	- Power Switch - System reset
LEDs	- Power status, HDD, Lan activity LEDs
I/O Ports	- 2 x USB 2.0 ports
MB tray	
USB 3.0	- 2
Serial Port	- 1
VGA	- 1 x D-Sub
Lan Port	- RJ45:2+1(IPMI) - LAN Ports with LED (ACT/LINK LED and SPEED LED)
External Drive Bay	
Front Side Drive Bay	- Internal: 3.5" HDD x 2 or 3.5" HDD x 1 & 2.5" HDD x1 - External: Slim ODD x1
Internal Side	- 2(M2_1: 2242/2260/2280/22110, PCIe(X4); M2_2:2242/2260/2280/22110, SATA/PCIE(X2))
Power Supply	
Type	- Single PSU
Output Watts	- 315W
Efficiency	- Gold
System Fan	
Fan	- 40 x 28 mm PWM Easy-Swap Fans x 3
Processor System	
CPU	- AMD AM4 Socket Ryzen Series CPUs (Raven Ridge and Pinnacle Ridge) and Ryzen 7nm CPUs
Socket	- AM4 PGA 1331
Chipset	- AMD Promontory X470
System Memory	

Capacity	- 4 x 288-pin DDR4 DIMM slots - Support up to 128GB DDR4 ECC/UDIMM
Type	- Dual Channel DDR4 memory technology - Support DDR4 ECC/UDIMM*  *For Picasso Ridge and Raven Ridge CPUs, ECC is only supported with PRO CPUs.
DIMM Size Per DIMM	- ECC/UDIMM: 32GB, 16GB, 8GB
DIMM Frequency	- ECC/UDIMM: 3200/2933/2666/2400/2133 MHz  *Different memory frequency support please refer our user manual P19.
Voltage	- 1.2V
<b>Expansion Slot</b>	
PCIe 3.0 x 16	- Rear : 1 single-width x16 Full Height card (by Riser card)
<b>Ethernet</b>	
Interface	- 1000 /100 /10 Mbps
LAN Controller	- 2 x RJ45 GLAN by Intel® i210 - Supports Wake-On-LAN - Supports Energy Efficient Ethernet 802.3az - Supports Dual LAN with Teaming function - Supports PXE
<b>Management</b>	
BMC Controller	- ASPEED AST2500
IPMI Dedicated GLAN	- 1 x Realtek RTL8211E for dedicated management GLAN
Features	- Watch Dog
<b>Graphics</b>	
Controller	- ASPEED AST2500
VRAM	- DDR4 256MB
<b>Environment</b>	
Temperature	Operation temperature: 10°C ~ 35°C / Non operation temperature: -40°C ~ 70°C

The specification is subject to change without notice in advance. The brand and product names are trademarks of their respective companies. Any configuration other than original product specification is not guaranteed.