



1U4LW-X470 RPSU



- 1U Rackmount with 300W RPSU
- Supports AMD AM4 Socket Ryzen™ Series CPUs and Ryzen 7nm CPUs
- Supports 4x DDR4 ECC and non-ECC UDIMM, max. 128 GB
- Supports external 4 x 3.5" HDD or 2.5" HDD, internal 2x 2.5" HDD, external: Slim ODD x1 or 2.5" HDD x1 (optional)
- Supports 1 PCIe3.0 x16, 1 PCIe3.0 x8, 1 PCIe3.0 x4
- Supports Intel® i210 x2
- ASPEED 2500 for BMC controller, Realtek RTL8211E for dedicated IPMI GLAN



Specifications

System	
Form Factor	- 1U Rackmount
Chassis Model	- 1U4LW
Dimensions	- 534.35 x 430 x 43.3 mm (21" x 16.9" x 1.7")
Support MB	- X470D4U
Front Panel	
Buttons	- Power Switch, ID Switch, System reset, NMI
LEDs	- Power status, HDD,LANs, System Fail activity LEDs
I/O Ports	- 2 x USB 3.0 ports
External Drive Bay / Storage	
Front Side Drive Bay	-External : Hot-swap 3.5" HDD x 4 or 2.5" HDD x4 . Slim ODD x1 or 2.5" HDDx 1 (optional) -Internal: 2.5" HDD x 2
Internal Side	- 2(M2_1: 2242/2260/2280/22110, PCIE(X4); M2_2:2242/2260/2280/22110, SATA/PCIE(X2))
Power Supply	
Type	- 1+1 Redudant PSU
Output Watts	- 300W
Efficiency	- 80 Plus Gold
AC Input	- 100-240V, 50-60Hz
System Fan	
Fan	- 40 x 28 mm PWM Easy-Swap Fans x 5
Processor System	
CPU	AMD Ryzen™ PRO 3000 and 2000 Series Desktop Processors 3rd and 2 nd Gen AMD Ryzen™ Desktop Processors 2nd and 1st Gen AMD Ryzen™ Desktop Processors with Radeon™ Vega Graphics
Socket	- AM4 PGA 1331
Chipset	- AMD Promontory X470
System Memory	
Supported DIMM Quantity	- 4 x 288-pin DDR4 DIMM slots - Support up to 128GB DDR4 ECC/UDIMM
Supported Type	- Dual Channel DDR4 memory technology - Support DDR4 ECC/UDIMM* *Conditionally support ECC error reporting function *For AMD Ryzen Desktop Processors with Radeon Graphics, ECC support is only with Processors with PRO technologies.

Max. Capacity per DIMM	- ECC/UDIMM: 32GB, 16GB, 8GB
Max. DIMM Frequency	- ECC/UDIMM: 3200/2933/2666/2400/2133 MHz *Different memory frequency support please refer our user manual P19.
Voltage	- 1.2V
PCIe Expansion Slots (SLOT7 close to CPU)	
PCIe x 16	- SLOT6: PCIe3.0 x16 (splittable in x4/4/4/4); auto switch to x8 when SLOT4 is occupied - SLOT4: PCIe x16 (PCIe3.0 x8)
PCIe x 4	- SLOT5: PCIe3.0 x4
Other PCIe Expansion Connectors	
M.2 slot	- 2 (2242/2260/2280/22110, supports SATA3 and PCIe 3.0 x2 or supports PCIe 2.0 x4 only)
SATA/SAS Storage	
PCH Built-in Storage	- 6 x SATA3 6.0 Gb/s (1x SATA DOM port), support RAID 0, 1, 10
Additional SATA Controller	- Asmedia 1061: 2x SATA3 6.0Gb/s
Ethernet	
Interface	- 1000 /100 /10 Mbps by Intel® i210AT
Additional GbE Controller	- 2 x RJ45 GLAN by Intel® i210AT - 1 x RJ45 Dedicated IPMI LAN port - Supports Wake-On-LAN - Supports Energy Efficient Ethernet 802.3az - Supports Dual LAN with Teaming function - Supports PXE - LAN1 supports NCSI
Server Management	
BMC Controller	- ASPEED AST2500
IPMI Dedicated GLAN	- 1 x Realtek RTL8211E for dedicated management GLAN
Features	- Watch Dog
Graphics	
Controller	- ASPEED AST2500
VRAM	- DDR4 16MB
Rear I/O	
UID Button/LED	- 1 UID w/ LED
VGA Port	- 1 x D-Sub
Serial Port	- 1
USB 3.2 Gen1 Port	- 2 Type-A (USB3.2 Gen1)
RJ45	- RJ45:2+1(IPMI) - LAN Ports with LED (ACT/LINK LED and SPEED LED)
Environment	
Temperature	
Humidity	- Non operation humidity: 20% ~ 90% (Non condensing)

The specification is subject to change without notice in advance. ASRock Rack is the official trademark for ASRock Rack Inc., all the covers need to remain the original brand name without any modification. All other brands, names and trademarks are the property of their respective owners.



+886-2-5559-9600
+886-2-2893-1557

asrockrack_sales@asrockrack.com

4F., No.37, Sec.2, Zhongyang S. Rd., Beitou District, Taipei City 112, Taiwan (R.O.C)

www.asrockrack.com

@ASROCKRACK

ASRock Rack Inc.

FOLLOW US !!