

1U4LW-X570



- 1U Rackmount with 400W PSU
- supports AMD Ryzen 5000 Series Desktop Processors
- 4 DDR4 ECC/ non-ECC UDIMM, up to 32GB each
- 4 Hot-swap 3.5" HDD/SSD bays, 3 fixed 2.5" HDD/SSD bays
- 1 FHHL PCIe4.0 x16
- 2 RJ45 (1GbE) by Intel® i210
- Remote management (IPMI)



Specifications

System	
Form Factor	1U Rackmount
Dimensions	534.35 x 430 x 43.3 mm (21" x 16.9" x 1.7")
Support MB	X570D4U
Front Panel	
Buttons	Power button w/ LED, UID w/LED, System reset
LEDs	LANs, HDD activity, System health
I/O Ports	2 Type-A (USB 3.2 Gen1)
External Drive Bay / Storage	
Front Side Drive Bay	4 Hot-swap 3.5" HDD/SSD (SATA 6Gb/s) bays 1 Slim ODD (BTO)
Internal Side	3 fixed 2.5" HDD/SSD (SATA 6Gb/s) bays 1 M-key (PCIe4.0* x4 or SATA 6Gb/s); Form factor: 22110/2280/2260/2242 [CPU] 1 M-key (PCIe4.0* x4 or SATA 6Gb/s); Form factor: 2280/2260/2242 [X570] *Supports PCIe3.0 when using AMD Ryzen™ 4000 and 3000 G-Series Desktop Processors with Radeon™ Graphics
Power Supply	
Type	Single PSU
Output Watts	400W
Efficiency	80-Plus Gold
AC Input	100-240V, 50-60Hz
System Fan	
Fan	5 PWM Easy-swap 40x28 mm fans

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Processor System

CPU	Supports: AMD Ryzen™ 5000 and 3000 Series Desktop Processors AMD Ryzen™ 4000 and 3000 G-Series Desktop Processors with Radeon™ Graphics AMD Ryzen™ PRO 5000, 4000 and 3000 Series Desktop Processors
Socket	AM4 PGA 1331
Chipset	AMD X570

System Memory

Supported DIMM Quantity	4 DIMM slots (2DPC)
Supported Type	Supports DDR4 288-pin ECC*/non-ECC UDIMM *For AMD Ryzen Desktop Processors with Radeon Graphics, ECC support is only with Processors with PRO technologies.
Max. Capacity per DIMM	up to 32GB
Max. DIMM Frequency	up to 3200 MHz* * AMD Ryzen™ 3000 G-Series Desktop Processors with Radeon™ Graphics support up to 2666 MHz
Voltage	1.2V

PCIe Expansion Slots (SLOT7 close to CPU)

PCIe x 16	Supports 1 FHHL PCIe4.0 x16* via RB1UX16_G4 *Supports PCIe3.0 x8 when using AMD Ryzen™ 3000 G-Series Desktop Processors with Radeon™ Graphics *Supports PCIe3.0 x16 when using AMD Ryzen™ 4000 G-Series Desktop Processors with Radeon™ Graphics
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Server Management

BMC Controller	ASPEED AST2500
IPMI Dedicated GLAN	1 x Realtek RTL8211E for dedicated management GLAN

Graphics

Controller	ASPEED AST2500: 1 DB15 (VGA) AMD Ryzen Desktop Processors with Radeon Graphics: 1 HDMI
VRAM	DDR4 16MB

Rear I/O

UID Button/LED	1
Video Port	1 D-Sub
Serial Port	1
USB 3.2 Gen2 Port	2 Type-A (USB3.2 Gen2)
RJ45	2 RJ45(1GbE) by Intel® i210 1 dedicated IPMI

System BIOS

BIOS Type	32MB AMI UEFI Legal BIOS
BIOS Features	Plug and Play (PnP), ACPI 2.0 Compliance Wake Up Events, SMBIOS 2.8.0 Support, ASRock Rack Instant Flash

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Supported OS

OS

Microsoft® Windows:

- Windows® 10 (64 bit)

Linux:

- RedHat Enterprise Linux Server 8.1 (64bit)

- CentOS 8.1 (64 bit)

- Ubuntu 18.04.4 (64 bit)

*The Linux system doesn't support Raid Mode

*Support UEFI Boot only

*Please refer to our website for the latest OS support list.

Environment

Temperature

Operation temperature: 10°C ~ 35°C* / Non operation temperature: -40°C ~ 70°C

Humidity

- Non operation humidity: 20% ~ 90% (Non condensing)