1U4LW-ICX/2T

- 1U Rackmount with single 600W PSU
- Supports 3rd Gen Intel® Xeon® Scalable processors
- 8 DIMM slots (1DPC), supports DDR4 RDIMM, LRDIMM, RDIMM/LRDIMM-3DS, Intel® Optane™ Persistent Memory 200 series
- 1 FHHL PCIe4.0 x16
- 4 Hot-swap 3.5" SATA drive bays, 3 fixed 2.5" SATA drive bays
- Supports 1 M.2 (PCIe3.0 x4 or SATA 6Gb/s)
- 2 RJ45 (10GbE) by Intel® X710-AT2
- Remote Management (IPMI)

Specifications   Manual

Specifications

System	
Form Factor	1U Rackmount
Dimensions	533.4 x 482.6 x 44.4 mm (21" x 19" x 1.75")
Support MB	SPC621D8U-2T
Front Panel	
Buttons	Power Switch, ID Switch, System reset
LEDs	PWR, UID, HDD Activity, LAN 1/2, System Event
I/O Ports	2 USB3.0 ports
External Drive Bay / Storage	
Front Side Drive Bay	External: 4 Hot-swap 3.5" SATA drive bays Internal: 3 fixed 2.5" SATA drive bays
Internal Side	1 M-key (PCIe3.0 x4 or SATA 6Gb/s), supports 2280 form factor
Power Supply	
Type	Single PSU
Output Watts	600W
Efficiency	80-PLUS Platinum
AC Input	100-240V, 50-60Hz
System Fan	
Fan	4 PWM Hot-swap 40 x 28 mm fans
Processor System	
CPU	Supports 3rd Gen Intel® Xeon® Scalable processors
Socket	Single Socket P+ (LGA 4189)
Chipset	Intel® C621A
System Memory	
Supported DIMM Quantity	8 DIMM slots (1DPC)
Supported Type	Supports DDR4 288-pin RDIMM, LRDIMM, RDIMM/LRDIMM-3DS, Intel® Optane™ Persistent Memory 200 series
Max. Capacity per DIMM	RDIMM: up to 64GB RDIMM-3DS: up to 256GB

	LRDIMM: up to 128GB
	LRDIMM-3DS: up to 256GB
Max. DIMM Frequency	max. 3200MHz
Voltage	1.2V

PCIe Expansion Slots (SLOT7 close to CPU)

PCIe x 16	Rear: 1 FHHL PCIe4.0 x16

Ethernet

Additional GbE Controller	Intel® X710-AT2: 2 RJ45 (10 GbE)

Server Management

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

Graphics

Controller	ASPEED AST2500
VRAM	DDR4 16MB

Rear I/O

UID Button/LED	1 UID w/ LED
VGA Port	1 DB15
USB 3.2 Gen1 Port	2 Type-A (USB3.2 Gen1)
RJ45	2 RJ45 (10GbE) by Intel® X710-AT2
	1 dedicated IPMI

System BIOS

BIOS Type	AMI 256 Mb SPI Flash ROM
BIOS Features	ASRock Rack Instant Flash, ACPI 5.0, SMBIOS 2.3, Plug and Play (PnP)

Hardware Monitor

Temperature	CPU, PCH, MB, Card side Temperature Sensing
Fan	CPU/Rear/Front Fan Tachometer
	CPU Quiet Fan (Allow Chassis Fan Speed Auto-Adjust by CPU Temperature)
	CPU/Rear/Front Fan Multi-Speed Control
Voltage	CPU1_PVCCIN, PVDDQ_ABCD,PVDDQ_EFGH, 1.05V_PCH,1.8V_PCH, +BAT,PVNN_PCH 3.3V,5V,12V,3.3VSB, 5VSB

Environment

Temperature	Operation temperature: 10°C ~ 35°C / Non operation temperature: -40°C ~ 70°C
Humidity	Non operation humidity: 20% ~ 90% (Non condensing)

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.