

# PUZZLE-9040



## Features

- Dual 4th Gen Intel® Xeon® Scalable processors (Code name: Sapphire Rapids)
- DDR5 4800 MHz ECC RDIMM (up to 4 TB)
- 1 x PCIe Gen 4 x16 FHFL
- 8 x OCP 3.0 slots (6 x PCIe Gen 5 x16, 2 x PCIe Gen 4 x16)
- 2 x 10GbE SFP+ (Intel X710-BM2)
- 2 x 1GbE RJ45 (Intel i350-AM2)
- 1 x GbE RJ45 IPMI management port
- 2 x U.2 slots with Removable Tray (PCIe 4.0 x4)
- 1 x 2280 M-Key (PCIe 4.0 x4)
- Redundant power supply (CRPS)

## Specifications

		PUZZLE-9040
Platform	Form Factor	2U rackmount
	CPU	2 x 4th Gen Intel® Xeon® Scalable processors (Code Name: Sapphire Rapids) Supporting TDP 350W
	Chipset	Intel® C741
Memory	Memory Technology	16 x DDR5 4800MHz ECC RDIMM Slot
	Memory Capacity	Based on DIMM capacity
	Memory Socket	16 x 288-pin DDR5 DIMM
Network and Security	Network Acceleration and Security Function	Next-gen Intel® Quick Assist Technology, DLB, AMX/TMUL, DSA, 5G ISA, BFloat16 SGX with Integrity, MKTME - 128 Keys, Platform Firmware Resilience (PFR) with Peripheral Device Attestation Hardware Enforced Execution Controls: Hypervisor-Managed Linear Address Translation (HLAT), Control Flow Enforcement Technology (CET), VM Denial of Service Prevention
	TPM	1 x TPM 2.0 pin header
IPMI	IPMI Solution	1 x M.2 Socket B Key support IEI iRIS2 IPMI module, 1 x 1 GbE RJ45 for IPMI port
Networking	Ethernet IC	Intel 10G Dual Port X710 Intel 1G Dual Port I350
	Ethernet Port	2 x GbE RJ45 ports 1 x GbE RJ45 LOM/IPMI port 2 x 10GbE SFP+
	Network Module Slot	Support up to 8 x Standard OCP 3.0 Network Module
Expansion Slot	PCIe Slot	1 x PCIe x16 FHFL
Storage	Storage	2 x External 2.5" Removable Trays (Supports 2.5" U.2 PCIe x4 NVMe) 1 x 2280 M-Key (PCIe 4.0 x4)
	USB	2 x USB 3.0 Type-A
	Console	1 x USB type C and 1x RJ45 auto-switching console port
Power and Mechanical	Power Switch	Rear: 1 x Power Button
	Reset Button	Front: 1 x Reset Button
	Type/Watt	2000W CRPS redundant power
	Processor Cooling	2 x Passive CPU Heatsink
	System Cooling	4 x System FANs
Physical and Environmental	Storage Temperature	-10°C ~ 50°C
	Operating Temperature	0°C ~ 40°C (32°F ~ 104°F) Test: -5°C ~ 45°C
	Operating Humidity	5% ~ 90% non-condensing
	Dimensions (W x L x H)(mm)	438 x 88.5 x 623
	Weight	< 25Kg
Certifications	Certification	By customer request
	Supported Operating System	Ubuntu, Linux based OS
Indicators	LED	Front: 1 x Power LED, 1 x HDD Activity LED, 1 x Alert LED, 1 x PSU LED, 1 x Location LED Rear: 2 x PSU LED, 1 x Location LED

## Ordering Information

Part No.	Description
PUZZLE-9040-R-R10	2U rackmount Network Appliance support dual 4th Gen Intel Xeon Scalable processors, 16x DDR5 4800 MHz ECC RDIMM Slot

## Packing List

	PUZZLE-9040-R10
Power cord	2
Rack mounting ears	2
Screw for rack mounting ears	6
USB to console cable	Optional

## Options

Item	Part No.	Description
Slide rail	45009-0018C0-00-RS	Sliding track
USB to console cable	32013-004000-100-RS	Round cable; LAN CABLE; FTDI console cable; 2; 1800MM; (A)USB A TYPE 4P MALE+PCB: FTDI_FT232RL; (B)RJ-45 8P8C; RoHS
RS-232 to console cable	32005-005100-100-RS	Round cable; RS-232/422/485; PUZZLE RS-232 cable; 2; 500MM; 24AWG; (A)D-SUB 9P MALE+#4-40 Screw; (B)RJ-45 PLUG 8P8C; ONE PCS PKG; TC&C; RoHS

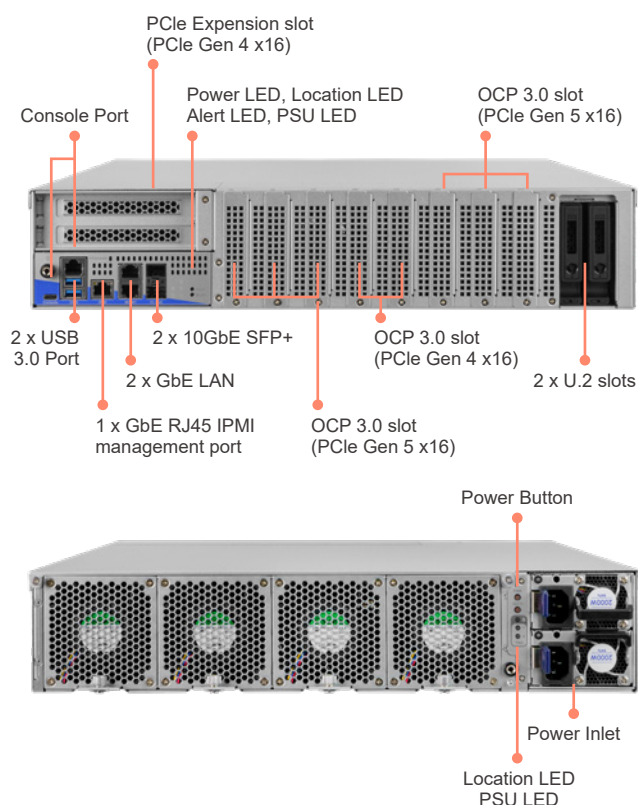
## CPU Support List

Intel® Xeon® Platinum 8470Q Processor	Intel® Xeon® Platinum 8470 Processor	Intel® Xeon® Platinum 8468 Processor	Intel® Xeon® Platinum 8460Y+ Processor	Intel® Xeon® Platinum 8454H Processor	Intel® Xeon® Platinum 8468V Processor	Intel® Xeon® Platinum 8458P Processor	Intel® Xeon® Platinum 8480+ Processor	Intel® Xeon® Platinum 8470N Processor	Intel® Xeon® Platinum 8452Y Processor	Intel® Xeon® Platinum 8462Y+ Processor
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## Compatibility Devices Information

	Brand	Model	Speed	Port Configuration	Interface Type
OCP 3.0	Intel	I350-T4 for OCP 3.0	1GbE	Quad	RJ45
	Intel	X710-T2L for OCP 3.0	10GbE	Dual Port	RJ45
	Intel	X710-T4L for OCP 3.0	10GbE	Quad	RJ45
	Intel	X710-DA2 for OCP 3.0	10GbE	Dual Port	SFP+
	Intel	X710-DA4 for OCP 3.0	10GbE	Dual Port	SFP+
	Intel	E810-XXVDA2 for OCP 3.0	25GbE	Quad	SFP28
	Intel	E810-CQDA2 for OCP 3.0	100GbE	Dual Port	QSFP28
	Mellanox	MCX631432AN-ADAB	25GbE	Dual Port	SFP28
	Mellanox	MCX623436AN-CDAB	100GbE	Dual Port	QSFP56

## IO Interface



## Dimensions (Unit: mm)

