ICP Electronics Australia Pty Ltd

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PUZZLE-9030

Features

- AMD 3rd Gen EPYC™ 7003 Processor Family (Codename: Milan)
- 8-channel DDR4 3200 MHz memory, support ECC RDIMM/ LRDIMM up to 4TB
- 2 x 2.5" U.2 (PCIe 4.0 x4) NVMe SSD or 2 x 3.5" SATA 6Gb/s HDD
- Support 2 SFP+, 4 NIC modules (PulM)
- 1 x Riser card for PCIe x16 expansion slot to rear
- 2 x M.2 2280/22110 & 1 x mSATA

Specifications

		PUZZLE-9030
Platform	**Form Factor**	1U
	CPU	2 x AMD® EPYC™ Milan 7543
	Chipset	Integrated in CPU
Memory	**Memory Technology**	ECC & Register DDR4 3200 MHz memory, up to 256GB per DIMM
	Memory Capacity	RDIMM/LRDIMM: up to 4TB
	Memory Socket	16 x 288-pin DIMM (8 DIMM/CPU) eight channels
IPMI	**IPMI Solution**	1 x AST2620 (RTL8211E)
Networking	**Ethernet Port**	1 x GbE RJ-45 Intel I211
	Network Module Slot	4 x PulM-100G2SF-CX6 (GenZ 4C+, PCIe Gen 4 x16)
Expansion Slot	**PCIe slot**	2 x PCIe x16 FHHL
Storage	**Storage**	2 x M.2 M key 2280 (PCIe 4.0 x4)
	U.2/SATA	2 x U.2 (PCIe 4.0 x4) or 2 x SATA 6Gb/s - (colay design)
External I/O	**USB**	2 x USB 3.1
	Console	1 x RJ-45
Power and Mechanical	**Reset Button**	1 x Reset button
	Power Input	AC power inlet on PSU AC 100V ~ 240V @47~63Hz
	Type/Watt	YM-2132EAR 90 ~ 132VAC @900W 100 ~ 132VAC @1000W 110 ~ 132VAC @1100W 180 ~ 264VAC @1300W
	Processor Cooling	2 x CPU heatsink
	System Cooling	6 x Individual hot-swappable cooling fans
Physical and Environmental	**Storage Temperature**	-10°C ~ 50°C
	Operating Temperature	0°C ~ 40°C (32°F ~ 104°F)
	Operating Humidity	5% ~ 90% non-condensing
Supported OS and Certifications	**Certification**	RoHS, CE/FCC, UL
	Supported OS	Linux (CentOS, Red Hat, Ubuntu, etc.)
Indicators	**LED**	1 x Power / 1 x Status / 1 x Alert

Network Appliance Solution

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Ordering Information

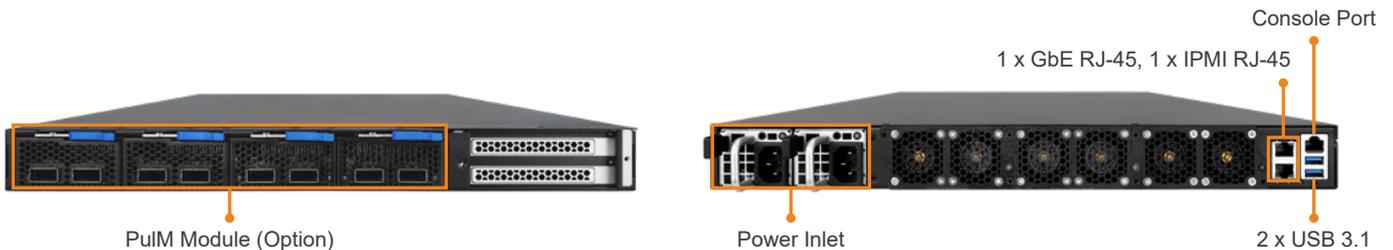| Part No.	Description
PUZZLE-9030	1U rackmount network appliance supporting AMD 3rd Gen EPYC™ 7003 Processor Family (codenamed Milan), 8-channel 3200 MHz DDR4 ECC RDIMM/LRDIMM up to 4TB, two 2.5" U.2 (PCIe 4.0 x4) NVMe SSD or two 3.5" SATA 6Gb/s HDD, two SFP+, four NIC modules (PulM), one riser card for PCIe x16 expansion slot to rear, two M.2 2280/22110 & one mSATA, support IPMI (optional)

Packing List

	PUZZLE-9030
Power cord	2
Rack mounting ears	2
Screw for rack mounting ears	6
USB to console cable	1
RS-232 to console cable	Optional
Slide rail	Optional

Options

Item	Part No.	Description
Slide rail		Slide rail kit for PUZZLE-9030
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 8P8C; ONE PCS PKG; TC&C; RoHS

IO Interface

Console Port

1 x GbE RJ-45, 1 x IPMI RJ-45

PulM Module (Option)

Power Inlet

2 x USB 3.1

Dimensions (Unit: mm)

438.00

670.00

24.30 M4 NUT 24.30

61 92 92 184 92

44.20 22.20