

PUZZLE-IN001

1U Rackmount Network Appliance with 8th Generation Intel® Core™ i3/Pentium®/Celeron® and Intel® Xeon® E3 Processor, up to 2 NMS and 2 PCIe slots



Features

- Intel® Xeon® Processor E3, 8th Generation Intel® Core™ i3/ Pentium®/Celeron® Processor
- Support 8 x GbE RJ45 via Intel® I211 and IEI Networking Module
- 2 x 288-pin Long DIMM, DDR4 2100MHz ECC & non ECC, up to 32GB
- 1 x RJ45 Console, 2 x USB 3.0, LCM
- 2 x 2.5" SATA drive bay, 1 x M.2 B-Key (SATA, USB 3.1), 1 x PCIe mini
- Support PCIe x4 and PCIe x8 slot
- Redundant PSUs

Specifications

		PUZZLE-IN001-XE	PUZZLE-IN001-i3T
Platform	Form Factor	1U	
	CPU	Intel® Xeon® E-2136 Processor, 6C/12T, up to 4.50 GHz	8th Generation Intel® Core™ i3-8100T Processor, 4C/4T, up to 3.10 GHz
	Chipset	Intel® C246	
Memory	Memory Technology	2 x DDR4 2400MHz ECC/Non-ECC/RDIMM	
	Memory Capacity	Up to 32GB	
	Memory Socket	2 x 288-pin DIMM	
Network and Security	Network acceleration and Security function	<ul style="list-style-type: none"> • Intel® AES New Instructions • Intel® Software Guard Extensions (Intel® SGX) • Intel® Memory Protection Extensions (Intel® MPX) • Intel® Trusted Execution Technology 	
	TPM	1 x TPM 2.0 Pin header	
Networking	Ethernet IC	1 GbE NIC: Intel® i211-AT	
	Ethernet Port	8 x 1GbE RJ45 LAN ports	
	Network Module Slot	2 x Networking Module Slot	
Expansion slot	PCIe slot	1 x PCIe x4 slot, 1 x PCIe x8 slot	
	PCIe mini card slot	1x PCIe mini card (PCIe&SATA, USB2.0)	
Storage	M.2	1 x m.2 A key (PCIe &USB 2.0)	
	Storage	2 x 2.5" SATA HDD/SSD bay	
	eMMC	N/A	
External I/O	SD card	N/A	
	USB 3.0	2 x USB 3.0	
	Console	1 x RJ45	
Internal I/O	M.2	1 x m.2 A key (PCIe &USB 2.0)	
	HDMI	1 x HDMI connector (optional)	
	USB 3.0	N/A	
	USB 2.0	4 x USB 2.0 (pin header)	
Power and Mechanical	Power Switch	1 x Power Switch	
	Reset Button	1 x Reset Button	
	Power Input	100 V ~ 240 V	
	Type/Watt	Redundant Power 300W 90V ~ 264V AC	
	Processor Cooling	1 x Passive CPU Heatsink	
	System Cooling	4 x Cooling Fans with Smart Fan	
Physical and Environmental	Antenna Port	1 x Antenna port	
	Storage Temperature	-10°C ~ 50°C	
	Operating Temperature	0 ~ 40°C (32 ~ 104°F)	
	Operating Humidity	5% ~ 90% non-condensing	
	Dimensions (W x H x D) (mm)	430 x 426 x 44.2	
OS and Certifications	Weight	7kg	
	Certification	CE / FCC	
Indicators	Operating System	Linux Ubuntu 16.04.04	
	LCM	LCM, 2 buttons	
	LED	1 x Power LED, 1 x Storage LED, 1 x Alert LED	

Ordering Information

Part No.	Description
PUZZLE-IN001-XE/R-R10	1U Rackmount Network Appliance with Intel® Gen8 Xeon® E-2136 processor, two DDR4 slots, and eight 1GbE, two PuIM, two PCIe expansion, Redundant Power, RoHS
PUZZLE-IN001-i3T/R-R10	1U Rackmount Network Appliance with Intel® Gen8 Core™ i3-8100T processor, two DDR4 slots, and eight 1GbE, two PuIM, two PCIe expansion, Redundant Power, RoHS
PUZZLE-IN001-XE/16G/R-R10	1U Rackmount Network Appliance with Intel® Gen8 Xeon® E-2136 processor, 16GB DDR4, two 256GB SSD, and eight 1GbE, two PuIM, two PCIe expansion, Redundant Power, RoHS
PUZZLE-IN001-i3T/16G/R-R10	1U Rackmount Network Appliance with Intel® Gen8 Core™ i3-8100T processor, 16GB DDR4, two 256GB SSD, and eight 1GbE, two PuIM & two PCIe expansion, Redundant Power, RoHS

Packing List

	PUZZLE-IN001-XE/R	PUZZLE-IN001-i3T/R	PUZZLE-IN001-XE/16G/R	PUZZLE-IN001-i3T/16G/R
Power cord	1	1	1	1
Heatsink	1	1	1	1
Rack mounting ears	2	2	2	2
SCREW for Rack mounting ears	4	4	4	4
USB to console cable	Option	Option		1
RS232 to console cable	1	1	Option	Option
HDMI bracket	Option	Option	1	1
HDMI cable	Option	Option	1	1
Slide rail	Option	Option	Option	Option

Options

Item	Part No.	Description
Slide rail	RAIL-A03-57	New Rail kit for rackmount Max 57kg loading
HDMI bracket	45002-4619C0-00-RS	SPRING PLATE; Shielding plate; PUZZLE-I101; Raw Material; 45002-4619XX; NCT(N); HDMI BRACKET; VER:00; RoHS
HDMI cable	32012-002300-100-RS	ROUND CABLE; HDMI CABLE; 2; 350MM; 30AWG; (A)HDMI A TYPE 19P FEMALE+M3 Screw; (B)HDMI A TYPE 19P MALE 90°+Dust cover; ONE PCS PKG; Polywell; RoHS
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)RJ45 8P8C; RoHS
RS232 to console cable	32005-005100-100-RS	OUND CABLE; RS-232/422/485; Puzzle RS-232 Cable; 2; 500MM; 24AWG; (A)D-SUB 9P MALE+#4-40 Screw; (B)RJ45 PLUG 8P8C; ONE PCS PKG; TC&C; RoHS