

# PUZZLE-5030



## Features

- Intel® Xeon® E Processor (Codename: Rocket Lake) and the Intel® C256 chipset
- 4 x DDR4 3200MHz non-ECC UDIMM, up to 128G
- 8 x 2.5 Gbps RJ-45 LAN ports & 2 pairs LAN bypass
- Support PCIe x4, PCIe x8 and two PuIM module slots
- 1 x RJ-45 Console, 2 x USB 3.0, LCM
- 2 x 2.5" SATA HDD/SSD bay, 1 x M.2 M key 2260/2280, 1 x PCIe Mini with SIM card slot
- Redundant/non-redundant PSUs

## Specifications

		PUZZLE-5030
Platform	Form Factor	1U
	CPU	Intel® Xeon® E Processor (Codename: Rocket Lake)
	Chipset	Intel® C256
Memory	Memory Technology	DDR4 3200MHz Non-ECC UDIMM
	Memory Capacity	Up to 128GB
	Memory Socket	4 x 288-pin DIMM
Network and Security	Network acceleration and Security function	<ul style="list-style-type: none"> <li>• Intel® AES New Instructions</li> <li>• Intel® Software Guard Extensions (Intel® SGX)</li> <li>• Intel® Memory Protection Extensions (Intel® MPX)</li> <li>• Intel® Virtualization Technology (Intel® VT)</li> </ul> <ul style="list-style-type: none"> <li>• Intel® Virtualization Technology for Directed I/O (VT-d)</li> <li>• Intel® Trusted Execution Technology</li> <li>* Functionality depends on the CPU used.</li> </ul>
	TPM	1 x TPM 2.0 pin header
Networking	Ethernet IC	Intel® I225V-AT
	Ethernet Port	8 x 2.5 GbE RJ-45 LAN ports, two pairs bypass, Port 1 support WOL
	Network Module Slot	2 x PuIM module slots
Expansion Slot	PCIe slot	1 x PCIe 4.0 x8 (FHHL) slot, 1 x PCIe 4.0 x4 (FHHL) slot
	PCIe Mini Card Slot	1 x PCIe Mini with SIM card slot
	M.2	1 x M.2 M key 2260/2280 Support NVMe/SATA
Storage	Storage	2 x 2.5" SATA HDD/SSD bay (15.5mm height) 1 x SATA 3.0 + 1 x 5V/12V power connector for 3.5" HDD or SATA DOM
	eMMC	N/A
	SD Card	N/A
External I/O	USB	2 x USB 3.0
	Console	1 x RJ45
Internal I/O	HDMI	1 x HDMI connector
	USB	2 x USB 3.0
Power and Mechanical	Power Switch	1 x Power Button
	Reset Button	1 x Reset Button
	Power Input	100 V ~ 240 V
	Type/Watt	300W Redundant/non-redundant PSUs
	Processor Cooling	1 x Passive CPU Heatsink
	System Cooling	3x Cooling Fans with Smart Fan 1 x System Fan
Antenna hole	1 x Antenna hole (reserved)	
Physical and Environmental	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 44.2mm 10 kg
Supported OS and Certifications	Certification	CE/FCC/RoHS
	Supported OS	Support Linux (CentOS, Ubuntu, etc.)
Indicators	LCM	16 x 2 character with 2 control buttons
	LED	1 x Power LED, 1 x Storage LED, 1 x Alert LED

### Ordering Information

Part No.	Description
PUZZLE-5030-R10	1U Rackmount Network Appliance (without CPU and Heatsink) support Intel® Xeon® E Processor (Codename: Rocket Lake), Intel® C256 chipset, LGA1200, 4 DDR4 slots, 8 x 2.5GbE, 2 PuIM slots, 2 PCIe expansion, Redundant Power, RoHS
PUZZLE-5030-XE/R-R10	1U Rackmount Network Appliance support Intel® Gen8 Xeon® E-2378G, 4 DDR4 slots, 8 x 2.5GbE , 2 PuIM slots , 2 PCIe expansion, Redundant Power, RoHS
PUZZLE-5030-XE2/R-R10	1U Rackmount Network Appliance support Intel® Gen8 Xeon® E-2378, 4 DDR4 slots, 8 x 2.5GbE , 2 PuIM slots , 2 PCIe expansion, Redundant Power, RoHS

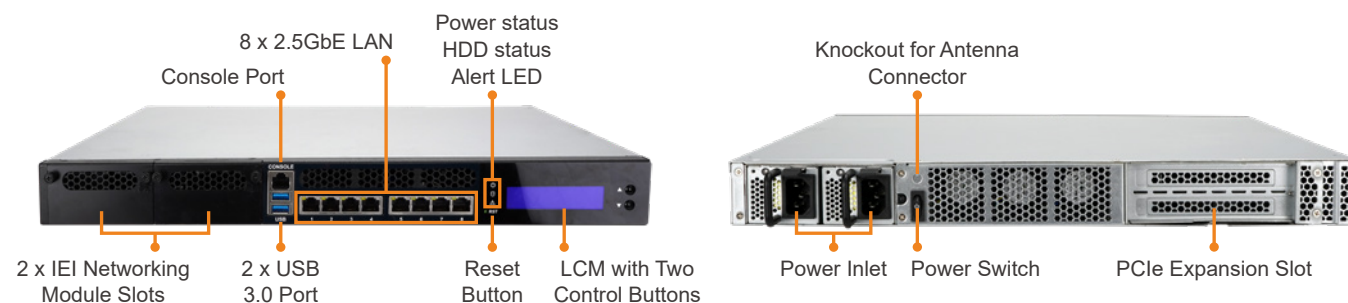
### Packing List

	PUZZLE-5030-R10
Power cord	2
Rack mounting ears	2
Screw for rack mounting ears	6
USB to console cable	Optional
RS-232 to console cable	Optional
Slide rail	Optional

### Options

Item	Part No.	Description
Slide rail	RAIL-B02	New rail kit for new 1U & 2U NAS: TVS-471U, 1253U, etc.
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
HDMI cable	19B00-000403-00-RS	Z532; Accessory module; PUZZLE series HDMI cable assembly (only processor support graphics model); standard; 00, RoHS
Heatsink (TDP: 80W)	34000-000722-RS	HEATSINK/Heat Pipe; FIN: 89.5X88.4X20MM+Ø6 Heat Pipex1, Copper Block:40x36x3MM + Aluminum Block: 90x90x4.0MM; SCREW+SPRING+E-RING+WASHERx4, GREASE:X23-7762for CPU TDP 80W; RoHS

### IO Interface



### Dimensions (Unit: mm)

