

# PUZZLE-7030A



## Features

- Intel® Xeon® D Processor series (Code Name: Ice Lake-D LCC)
- 4 x DDR4 2400M/2933Hz ECC UDIMM/RDIMM, up to 256G
- 8 x 2.5 Gbps RJ-45 LAN ports & 5 x 10 Gbps SFP+ ports
- 1 x FH PCIe Gen4 x8 or 2 x FH PCIe Gen4 x4 and 1 x OCP 3.0 slot
- 1 x RJ-45 Console, 2 x USB 3.0, LCM
- 2 x 2.5" SATA slot, 2 x M.2 M key 2280 (SATA/PCIe Gen3 x2), 1 x M.2 B key for IPMI module (support IEI iRIS2 IPMI module)

## Specifications

		PUZZLE-7030A
Platform	Form Factor	1U
	CPU	Intel® Xeon® D 1700 Processor series
	Chipset	Integrated in CPU
Memory	Memory Technology	4 x DDR4 2400M/2933Hz ECC UDIMM/RDIMM
	Memory Capacity	Based on DIMM capacity
	Memory Socket	4 x 288-pin DDR4 DIMM slots
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® Trusted Execution Technology</li> </ul>
	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 KT1225V 2.5GbE
	Ethernet Port	8 x 2.5 GbE RJ45 LAN ports 5 x 10 GbE SFP+
	Network Module Slot	Support up to 1 x Standard OCP 3.0
Expansion Slot	PCIe Slot	1 x PCIe Gen4 x 8 or 2 x PCIe Gen4 x 4
Storage	Storage	2 x 2.5" SSD/HDD Bay: support SATA 3.0 (6 Gbps) 2 x 2280 M-Key (PCIe 3.0 x2)
	USB	2 x USB 3.0
	Console	1 x RJ45 1 x USB Type-C
Power and Mechanical	Power Switch	Rear: 1 x Power Button
	Reset Button	Front: 1 x Reset Button
	Type/Watt	320W redundant power
	Processor Cooling	4 x 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
	Dimensions (W x L x H)(mm)	436.2 x 454.3 x 44.2
	Weight	8 kg
Certifications	Certification	By customer request
	Supported Operating System	Ubuntu, Linux based OS
Indicators	LCM	LCM, 2 buttons
	LED	Front: 1 x Power LED, 1 x Storage LED, 1 x Alert LED

## Ordering Information

Part No.	Description
PUZZLE-7030A-D1733NT-R10	1U Rackmount Network Appliance with Intel Ice Lake-D D-1733NT processor
PUZZLE-7030A-D1736NT-R10	1U Rackmount Network Appliance with Intel Ice Lake-D D-1736NT processor

## Options

Item	Part No.	Description
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
RS232 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
Slide rail	RAIL-B02	Sliding rail

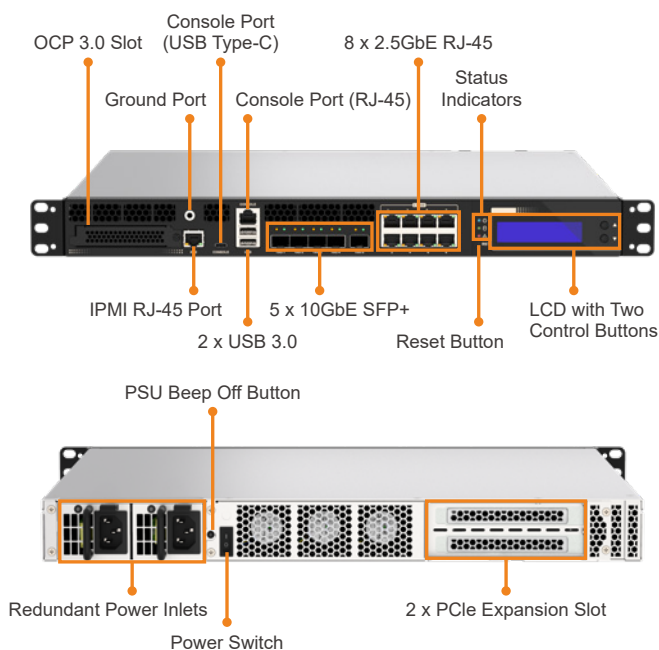
## Packing List

	PUZZLE-7030A-R10
Power cord	2
Screw for 2.5-inch drives	12
Rack mounting ears	2
Screw for rack mounting ears	6

## 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)

