

# PUZZLE-IN001A

1U Rackmount Network Appliance with Intel® Xeon® E and 8th & 9th Generation Intel® Core™ i3/Pentium®/Celeron® Processor, two PuLM module slots and two PCIe slots



## Features

- » Intel® Xeon® E, 8th & 9th Generation Intel® Core™/Pentium®/Celeron® processor
- » 8 x 5 GbE RJ-45 via AQC 111C, support 100 meters over Cat 5e or better at 5 Gbps, 2.5 Gbps, 1 Gbps, 100 Mbps (require no change to existing infrastructure or cabling)
- » 4 x 288-pin DIMM, DDR4 2400MHz ECC & non ECC, up to 64 GB
- » 1 x RJ-45 Console, 2 x USB 3.2 Gen 1, LCM
- » 2 x 2.5" SATA drive bay, 1 x M.2 B-Key, 1 x PCIe Mini
- » Support open source software, such as [pfSense®](#) and [OPNsense®](#).

[Learn more about PUZZLE series network appliances](#)

## Specifications

Form Factor	
Form Factor	1U
System	
CPU	Intel® Gen8 Xeon® E-2136 processor Intel® Gen8 Core™ i3-8100T processor
Chipset	Intel® C246
Memory	4 x DDR4 2400MHz ECC/Non-ECC UDIMM
Memory Max.	Up to 64GB
Cooling method / System Fan	4 x Cooling fans with smart fan
Physical Characteristics	
Dimensions (LxWxH) (mm)	426x430x44.2
Storage	
Storage	2 x 2.5" SSD/HDD Bay support SATA 3.0 (6 Gbps)
I/O Interface	
Ethernet	8 x LAN 8 x 5GbE RJ-45 LAN ports (AQC111C)
I/O Interface	2 x External USB 3.2 Gen1x1 Gen 1 (5Gb/s) 4 x Internal USB 2.0 USB 2.0 (pin header)
Expansion	1 x PCIe x8 1 x PCIe x4 1 x PCIe mini Card Slot PCIe 3.0 & SATA 3.0, USB 2.0 1 x M.2(NGFF) 3042/2260 M.2 B key (SATA 3.0 / USB 3.2 Gen1) Support SATA SSD and 4G LTE module
Power	
Power Supply	300W, 100V~240V (Redundant power)
Environment	
Operating Temperature	0°C ~ 40°C (32°F ~ 104°F)
Storage Temperature	-20°C ~ 75°C (-4°F ~ 167°F)
Humidity	5% ~ 90% non-condensing
Certifications	
Safety & EMC	CE / FCC
OS Support	

OS Support	Linux Ubuntu 18.04.04
	CentOS 7/ Red Hat/Fedora EPEL
	Microsoft Windows 10

## Ordering Information

PUZZLE-IN001A-i3T/16G/R-R10	1U Rackmount Network Appliance with Intel® Gen 8 Core™ i3-8100T processor, 16GB DDR4, two 256GB SSD, eight 5GbE, two PuIM, two PCIe expansion, Redundant Power, RoHS
PUZZLE-IN001A-XE/16G/R-R10	1U Rackmount Network Appliance with Intel® Gen 8 Xeon® E-2136 processor, 16GB DDR4, two 256GB SSD, eight 5GbE, two PuIM, two PCIe expansion, Redundant Power, RoHS

## Packing List

» 2 x Power cord	» 2 x Rack mounting ears
» 6 x Screws for rack mounting ears	» USB to console cable (Option)
» RS-232 to console cable (Option)	» Slide rail (Option)