

# 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
- » 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 (5Gb/s)
- » 2 x 2.5" SATA drive bay, 1 x M.2 B-Key (SATA, USB 3.2 Gen 1 (5Gb/s)), 1 x PCIe Mini
- » Support PCIe x4, PCIe x8 slot and two PuLM module slots
- » Redundant PSUs

## 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) B key 2260/2280 (SATA & USB 3.0)         |
| 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 / RoHS               |
| OS Support     |                               |
| OS Support     | Linux Ubuntu 18.04.04         |
|                | CentOS 7/ Red Hat/Fedora EPEL |
|                | Microsoft Windows 10          |

## Ordering Information

|                         |  |
|-------------------------|--|
| PUZZLE-IN001A-i3T/R-R10 | 1U Rackmount Network Appliance with Intel® Gen 8 Core™ i3-8100T processor, two DDR4 slots, eight 5GbE , two PuIM & two PCIe expansion, Redundant Power, RoHS                             |
| PUZZLE-IN001A-XE/R-R10  | 1U Rackmount Network Appliance with Intel® Gen 8 Xeon® E-2136 processor, two DDR4 slots, eight 5GbE , two PuIM, two PCIe expansion, Redundant Power, RoHS                                |
| PUZZLE-IN001A-R-R10     | 1U Rackmount Network Appliance support Intel® Gen 8 Xeon® E3, Core™ i3, Pentium® or Celeron® processor, two DDR4 slots, 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)           |