

PUZZLE-IN001

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



Features

- » Intel® Xeon® E, 8th Generation Intel® Core™/Pentium®/Celeron® Processor
- » Support 8 x GbE RJ45 via Intel® I211, and two PULM module slots
- » 2 x 288-pin Long DIMM, DDR4 2400MHz ECC & non ECC, up to 32GB
- » 1 x RJ45 Console, 2 x USB 3.2 Gen1, 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®](#).
- » Support PCIe x4 and PCIe x8 slot
- » Redundant PSUs
- » [Learn more about PUZZLE series network appliances](#)
- » [Buy IoT Devices & IoT Hardware | Azure Certified Device Catalog](#)

Specifications

| | |
|-----------------------------|--|
| System | |
| CPU | Intel® Gen8 Xeon® E-2136 processor |
| | Intel® Gen8 Core™ i3-8100T processor |
| Chipset | Inte® C246 |
| Memory | 2 x DDR4 2400MHz ECC/Non-ECC UDIMM |
| Memory Max. | up to 32 GB |
| Cooling method / System Fan | 4 x Cooling Fans with Smart Fan |
| Physical Characteristics | |
| Rack Height | 1U |
| Dimensions (LxWxH) (mm) | 426x430x44.2 |
| Net Weight | 7 kg |
| Storage | |
| Storage | 2 x 2.5" SSD/HDD Bay : support SATA 3.0 (6 Gbps) |
| | 1 x M.2(NGFF) B key 2260/2280 |
| I/O Interface | |
| Ethernet | 8 x LAN : GbE RJ45 (Inteli211-AT) |
| I/O Interface | 2 x External USB 3.2 Gen1x1 |
| | 4 x Internal USB 2.0 : Pin header |
| | 1 x Console port(s) : RJ45 |
| Expansion | 1 x PCIe x8 |
| | 1 x PCIe x4 |
| | 1 x PCIe mini Card Slot : PCIe 3.0 & SATA 3.0, USB 2.0 |
| Other Features | |
| TPM | 1 x TPM 2.0 Pin header |
| 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 16 & above |
| | CentOS 7/ Red Hat/Fedora EPEL |
| | Microsoft Windows 10 |

Ordering Information

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|------------------------|---|
| PUZZLE-IN001-i3T/R-R20 | 1U Rackmount Network Appliance with Intel® Gen8 Core™ i3-8100T processor, two DDR4 slots, and eight 1GbE , two PuLM slots , two PCIe expansion, Redundant |
| PUZZLE-IN001-XE/R-R20 | 1U Rackmount Network Appliance with Intel® Gen8 Xeon® E-2136 processor, two DDR4 slots, and eight 1GbE , two PuLM slots , two PCIe expansion, Redundant Power, RoHS |
| PUZZLE-IN001-R-R20 | 1U Rackmount Network Appliance support Intel® Gen8 Xeon®E3, Core™ i3, Pentium® or Celeron® processor, two DDR4 slots, and eight 1GbE , two PuLM slots with new screw hole design, two PCIe expansion, Redundant Power, RoHS |

Packing List

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|-------------------------------------|-----------------------------------|
| » 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) |
| » CPU Heatsink (TDP:80W) (Option) | » CPU Heatsink (TDP:35W) (Option) |
| » HDMI™ cable (Option) | |