



PUZZLE-9030



Features

- AMD 3rd Gen EPYC™ 7003 Processor Family (Codename: Milan)
- 8-channel DDR4 3200 MHz memory, support ECC RDIMM/ LRDIMM up to 4TB
- 2 x 2.5" U.2 (PCIe 4.0 x4) NVMe SSD or 2 x 3.5" SATA 6Gb/s HDD
- Support 2 SFP+, 4 NIC modules (PuIM)
- 1 x Riser card for PCIe x16 expansion slot to rear
- 2 x M.2 2280/22110 & 1 x mSATA

Specifications

| | | PUZZLE-9030 |
|---------------------------------|-----------------------|--|
| Platform | Form Factor | 1U |
| | CPU | 2 x AMD® EPYC™ Milan 7543 |
| | Chipset | Integrated in CPU |
| Memory | Memory Technology | ECC & Register DDR4 3200 MHz memory, up to 256GB per DIMM |
| | Memory Capacity | RDIMM/LRDIMM: up to 4TB |
| | Memory Socket | 16 x 288-pin DIMM (8 DIMM/CPU) eight channels |
| IPMI | IPMI Solution | 1 x AST2620 (RTL8211E) |
| Networking | Ethernet Port | 1 x GbE RJ-45 Intel I211 |
| | Network Module Slot | 4 x PuIM-100G2SF-CX6 (GenZ 4C+, PCIe Gen 4 x16) |
| Expansion Slot | PCIe slot | 2 x PCIe x16 FHHL |
| Storage | Storage | 2 x M.2 M key 2280 (PCIe 4.0 x4) |
| | U.2/SATA | 2 x U.2 (PCIe 4.0 x4) or 2 x SATA 6Gb/s - (colay design) |
| External I/O | USB | 2 x USB 3.1 |
| | Console | 1 x RJ-45 |
| Power and Mechanical | Reset Button | 1 x Reset button |
| | Power Input | AC power inlet on PSU AC 100V ~ 240V @47~63Hz |
| | Type/Watt | YM-2132EAR 90 ~ 132VAC @900W 100 ~ 132VAC @1000W 110 ~ 132VAC @1100W 180 ~ 264VAC @1300W |
| | Processor Cooling | 2 x CPU heatsink |
| | System Cooling | 6 x Individual hot-swappable 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 |
| Supported OS and Certifications | Certification | RoHS, CE/FCC, UL |
| | Supported OS | Linux (CentOS, Red Hat, Ubuntu, etc.) |
| Indicators | LED | 1 x Power / 1 x Status / 1 x Alert |

Ordering Information

| Part No. | Description |
|-------------|---|
| PUZZLE-9030 | 1U rackmount network appliance supporting AMD 3rd Gen EPYC™ 7003 Processor Family (codenamed Milan), 8-channel 3200 MHz DDR4 ECC RDIMM/LRDIMM up to 4TB, two 2.5" U.2 (PCIe 4.0 x4) NVMe SSD or two 3.5" SATA 6Gb/s HDD, two SFP+, four NIC modules (PuIM), one riser card for PCIe x16 expansion slot to rear, two M.2 2280/22110 & one mSATA, support IPMI (optional) |

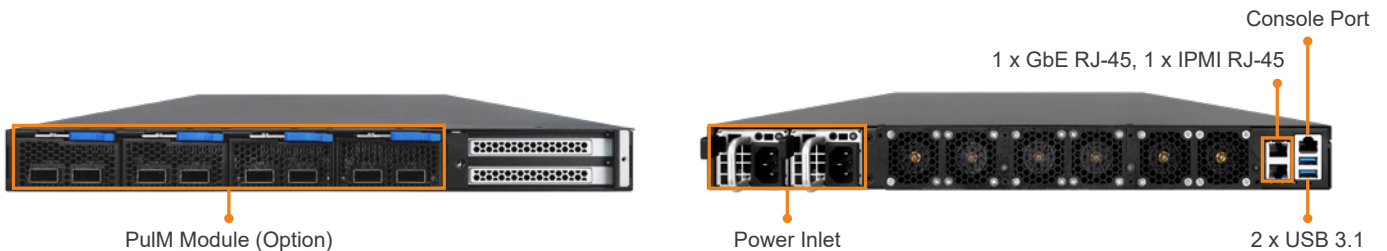
Packing List

| | PUZZLE-9030 |
|------------------------------|-------------|
| Power cord | 2 |
| Rack mounting ears | 2 |
| Screw for rack mounting ears | 6 |
| USB to console cable | 1 |
| RS-232 to console cable | Optional |
| Slide rail | Optional |

Options

| Item | Part No. | Description |
|-------------------------|---------------------|---|
| Slide rail | | Slide rail kit for PUZZLE-9030 |
| 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 8P8C; ONE PCS PKG; TC&C; RoHS |

IO Interface



Dimensions (Unit: mm)

