

PUZZLE-M801

1U Rackmount Network Appliance with Marvell® Armada® 8040 ARM v8 A72 quad-core System-on-Chip



Features

- » Marvell® ARMADA® 88F8040 high-performance quad-core System-on-Chip processor
- » 1 x 288-pin DIMM, DDR4 2400MHz ECC/NonECC/RDIMM
- » 2 x 10GbE SFP+ via Marvell® ARMADA® 88F8040, 4 x GbE RJ-45 via Marvell 88E1512P
- » 2 x USB 3.2 Gen 1 (5Gb/s), 1 x RJ-45 console, 1 x M.2 B key (SATA & USB 3.2 Gen 1 (5Gb/s)) with SIM holder
- » 1 x PCIe x16 slot (PCIe x2 signal)
- » Support open source software, such as [pfSense®](#) and [OPNsense®](#).

[Learn More about PUZZLE Series](#)

Specifications

| | |
|-----------------------------|---|
| System | |
| CPU | Marvell® Armada® 8040 ARM v8 A72 4C, System-on-Chip (SoC) up to 2.0GHz |
| Memory | 1 x DDR4 2400MHz ECC/Non-ECC/RDIMM |
| Memory Max. | Up to 16 GB |
| Cooling method / System Fan | 2 x Cooling Fans with Smart Fan |
| Physical Characteristics | |
| Rack Height | 1U |
| Dimensions (LxWxH) (mm) | 320x430x44.2 |
| Net Weight | 5 kg |
| Storage | |
| Storage | 1 x 2.5" SSD/HDD Bay : support SATA 3.0 (6 Gbps) |
| | 1 x eMMC : 32GB |
| I/O Interface | |
| Ethernet | 2 x SFP+ : 10 GbE SFP+ |
| | 4 x LAN : 1 GbE RJ45 |
| I/O Interface | 2 x External USB 3.2 Gen1x1 |
| | 2 x Internal USB 2.0 : Pin header |
| Expansion | 1 x PCIe x16 : (FHHL) PCIe 3.0 x2 signal |
| | 1 x M.2(NGFF) : M.2 B Key (3042/2260) (SATA 3.0 and USB 3.2 Gen 1) Support SATA SSD or 4G LTE module (USB signal) |
| Power | |
| Input | 100 V ~ 240 V |
| Power Supply | 250W |
| 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 | Ubuntu 16.04.04 |

Ordering Information

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| PUZZLE-M801-A1/8G-R10 | 1U Rackmount Network Appliance with Marvell Armada 8040 processor, 8GB DDR4, one 256GB SSD, four 1GbE , two 10GbE via SFP+, one PCIe expansion, RoHS |
| PUZZLE-M801-A1-R10 | 1U Rackmount Network Appliance with Marvell Armada 8040 processor, one DDR4 slot, four 1GbE , two 10GbE via SFP+ , one PCIe expansion, RoHS |

Packing List

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|-------------------------------------|---------------------------------|
| » 1 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) | |