

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, 16GB (ECC)
- » 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 Non-ECC UDIMM
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 M.2(NGFF) Internal (SATA 6Gbps & USB3.1 Gen1)
	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 USB3.1 Gen1 TypeA
	2 x Internal USB 2.0 Pin header
Expansion	1 x PCIe x16 PCIe Gen3 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
OS Support	
OS Support	Ubuntu linux-4.4.52-armada-17.10

Ordering Information

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

» 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)	