PUZZLE-A002

1U Rackmount Network Appliance with AMD R-Series RX-421ND processor, Support 6 x GbE RJ45

Features

» AMD R-Series RX-421ND quad-core 2.1 GHz processor

» 2 x DDR4 2400MHz ECC/Non-ECC UDIMM, up to 32 GB

» Support 6 x GbE RJ45 via BROADCOM BCM 5720

» 1 x RJ45 Console, 2 x USB 3.1 Gen 1 (5Gb/s), 2 x USB 2.0, LCM

» 2 x 2.5" SATA 3.0 drive bay, 1 x PCIe Mini card (PCIe 2.0, USB 2.0, Micro SIM slot)

» Support two PCIe x4

» Support open source software, such as pfSense® and OPNsense®.

Learn more about PUZZLE series network appliances

Specifications

System	
CPU	AMD R-Series RX-421ND processor, 4C, up to 3.4 GHz
Chipset	Integrated in CPU
Memory	2 x DDR4 2400MHz ECC/Non-ECC UDIMM
Memory Max.	Up to 32GB
Cooling method / System Fan	4 x Cooling Fans with Smart Fan
Physical Characteristics	
Rack Height	1U
Dimensions (LxWxH) (mm)	320x430x44.2
Net Weight	5kg
Storage	
Storage	2 x 2.5" SSD/HDD Bay support SATA 3.0 (6 Gbps)
	1 x eMMC 8 GB
I/O Interface	
Ethernet	6 x LAN GbE RJ45 LAN ports (Broadcom BCM5720)
I/O Interface	2 x External USB 3.2 Gen1x1
	1 x Internal USB 3.2 Gen1x1 USB3.0 TypeA
	2 x Internal USB 2.0
Expansion	2 x PCIe x4 2 x PCIe 3.0 x4 (FHHL) slots
	1 x PCIe mini Card Slot PCIe 2.0, USB 2.0, Micro SIM slot
	1 x M.2(NGFF) 2230 M.2 A key (PCIe 2.0/ USB 2.0)
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 Compliant
OS Support	
OS Support	Linux Ubuntu 18.04.04
	CentOS 7/Red Hat/Fedora EPEL

Ordering Information

PUZZLE-A002-MF1/8G-R10	1U Rackmount Network Appliance with AMD® RX-421ND procrssor, 8GB DDR4, one 256GB SSD, six 1GbE , two PCIe x4 expansion, RoHS
PUZZLE-A002-MF1-R10	1U Rackmount Network Appliance with AMD® RX-421ND procrssor, two DDR4 slots, and six 1GbE , two PCIe x4 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)	