

# PUZZLE-IN002

1U Rackmount Network Appliance with 8th & 9th Generation Intel® Core™ i7/i5/i3, Pentium® or Celeron® Processor, 1 PCIe slots



## Features

- » 8th & 9th Generation Intel® Core™ i7/i5/i3, Pentium® or Celeron® processor
- » 6 x GbE RJ-45 via Intel® I211
- » 2 x DDR4 2400 MHz Non-ECC UDIMM, up to 32GB
- » 1 x RJ-45 Console, 2 x USB 3.2 Gen 1 (5Gb/s), LCM
- » 2 x 2.5" SATA drive bay, 1 x M.2 A key (PCIe & USB 2.0), 1 x PCIe Mini card (SATA, USB 2.0) with SIM slot
- » Support PCIe x16
- » Support open source software, such as [pfSense®](#) and [OPNsense®](#).
- > [Learn more about PUZZLE series network appliances](#)

## Specifications

Certifications	
Safety & EMC	CE / FCC / RoHS
Environment	
Humidity	5% ~ 90% non-condensing
Operating Temperature	0°C ~ 40°C (32°F ~ 104°F)
Storage Temperature	-20°C ~ 75°C (-4°F ~ 167°F)
Form Factor	
Form Factor	1U
I/O Interface	
Ethernet	6 x LAN
Expansion	1 x M.2(NGFF)A key (PCIe & USB 2.0)
	1 x PCIe mini Card Slot
	1 x PCIe x16
I/O Interface	1 x Console port(s): RJ45
	2 x External USB 3.2 Gen1x1
	2 x Internal USB 2.0: Pin header
OS Support	
OS Support	Linux Ubuntu 18.04.04
	CentOS 7/ Red Hat/Fedora EPEL
	Microsoft Windows 10
Other Features	
TPM	1 x TPM 2.0 Pin header
Physical Characteristics	
Dimensions (LxWxH) (mm)	320x430x44.2
Net Weight	5 kg
Rack Height	1U
Power	
Input	100 V ~ 240 V
Power Supply	250W
Storage	
Storage	2 x 2.5" SSD/HDD Bay: support SATA 3.0 (6 Gbps)
System	

Chipset	Intel® H310
Cooling method / System Fan	4x Cooling Fans with Smart Fan
CPU	Intel® PentiumGold G5400T Processor, Intel® Gen8 Core™ i3-8100T processor
Memory	2 x DDR4 2400MHz Non-ECC UDIMM
Memory Max.	up to 32 GB

## Ordering Information

PUZZLE-IN002-R10 <i>* A CPU heatsink must be purchased separately</i>	1U Rackmount Network Appliance support Intel® Gen 8 Core™ i7, i5, i3, Pentium® or Celeron® processor, two DDR4 slots, and six 1GbE , one PCIe x16 expansion, RoHS
PUZZLE-IN002-PGT-R10	1U Rackmount Network Appliance with Intel® Gen8 Pentium® Gold G5400T processor, two DDR4 slots, and six 1GbE , one PCIe x16 expansion, RoHS
PUZZLE-IN002-PGT/8G-R10	1U Rackmount Network Appliance with Intel® Gen8 Pentium® Gold G5400T processor, 8GB DDR4, one 256GB SSD, and six 1GbE , one PCIe x16 expansion, RoHS
PUZZLE-IN002-i3T-R10	1U Rackmount Network Appliance with Intel® Gen8 Core™ i3-8100T processor, two DDR4 slots, and six 1GbE , one PCIe x16 expansion, RoHS
PUZZLE-IN002-i3T/8G-R10	1U Rackmount Network Appliance with Intel® Gen8 Core™ i3-8100T processor, 8GB DDR4, one 256GB SSD, six 1GbE , one PCIe x16 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)	» CPU Heatsink (TDP:80W) (Option)
» CPU Heatsink (TDP:35W) (Option)	» HDMI™ cable (Option)