

# PUZZLE-IN003A

Desktop Network Appliance with Intel® Atom® Processor C3000 Processor, up to 8 x 1 GbE on Board with 2 (by sku) bypass segments, 1 x eMMC 32GB



## Features

- » Intel® Atom® Processor C3000 Processor
  - » Support 4 x 1 GbE NIC via Intel® I211, 4 x 1 GbE PHY via Marvell 88E1543
  - » Support bypass function (by sku)
  - » DDR4 2133MHz ECC (by CPU) or non-ECC UDIMM/R-DIMM Up to 128GB
  - » 1 x M.2 A key (USB 2.0, PCIe x1), 1 x miniPCIe (USB 2.0, PCIe x1) with SIM card slot, 1 x eMMC 32GB
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## Specifications

System	
CPU	PUZZLE-IN003A-C1 : Intel® Atom® processor C3558 PUZZLE-IN003A-C3 : Intel® Atom® Processor C3336
Chipset	Integrated in CPU
Memory	PUZZLE-IN003A-C1: 2 x 288-pin DIMM PUZZLE-IN003A-C3 : 1 x 288-pin DIMM
Memory Max.	DDR4 2133MHz ECC (By CPU) or non-ECC UDIMM up to 64 GB, Support RDIMM up to 128GB
Cooling method / System Fan	Fanless
Physical Characteristics	
Dimensions (LxWxH) (mm)	206 x 225 x 44.2
Net Weight	2 KG
Storage	
Storage	1 x eMMC(32 GB) 1 x M.2(NGFF)(M.2 M key 2260/2280 Support PCIe 3.0 x4 nVME) 1 x SATA: SATA 3.0 + 1 x 5V power connector (for SATA DOM)
I/O Interface	
Ethernet	8 x LAN: * PUZZLE-IN003A-C1 : 8 x GbE LAN ports (4 x GbE NIC: Intel® i211-AT , 4 x GbE PHY: Marvell 88E1543) * PUZZLE-IN003A-C3 : 6 x GbE LAN ports (4 x GbE NIC: Intel® i211-AT , 2 x GbE PHY: Marvell 88E1543)
I/O Interface	1 x External USB 2.0 1 x External USB 3.2 Gen1x2
Expansion	1 x M.2(NGFF): A key (PCIe 3.0 & USB 2.0) 1 x PCIe mini Card Slot(PCIe 3.0, USB 2.0) with SIM slot
Fault-tolerance	
LAN Bypass	PUZZLE-IN003A-C1 : 2 bypass segments PUZZLE-IN003A-C3 : 1 bypass segments
Wireless	
Others	2 x Antenna hole
Other Features	
TPM	1 x TPM 2.0 pin header
Power	

Input	1 x DC jack
Power Supply	12 V DC-in, 60W
<b>Environment</b>	
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
<b>Certifications</b>	
Safety & EMC	CE / FCC / RoHS
<b>OS Support</b>	
OS Support	Linux Ubuntu 18.04.04
	CentOS 7 / Red Hat / Fedora EPEL
	Microsoft Windows 10

## Ordering Information

PUZZLE-IN003A-C3-R10	Desktop Network Appliance with Intel® ATOM® C3336 Processor , 6 x 1GbE on Board with up to 1 bypass segments, eMMC 32GB & 2x M.2 slot
PUZZLE-IN003A-C3/8G-R10	Desktop Network Appliance with Intel® ATOM® C3336 Processor , 6 x 1GbE on Board with up to 1 bypass segments, 8GB DDR4, eMMC 32GB & 2x M.2 slot
PUZZLE-IN003A-C1-R10	Desktop Network Appliance with Intel® ATOM® C3558 Processor , 8 x 1GbE on Board with up to 2 bypass segments, eMMC 32GB & 2x M.2 slot
PUZZLE-IN003A-C1/8G-R10	Desktop Network Appliance with Intel® ATOM® C3558 Processor , 8 x 1GbE on Board with up to 2 bypass segments, 8GB DDR4, eMMC 32GB & 2x M.2 slot

## Packing List

» 1 x Power cord	» 1 x Power adapter
» 2 x Rack mounting ears (by sku)	» 6 x Screws for rack mounting ears (by sku)
» 1 x USB to console cable (by sku)	» 1 x RS-232 to console cable (bu sku)