

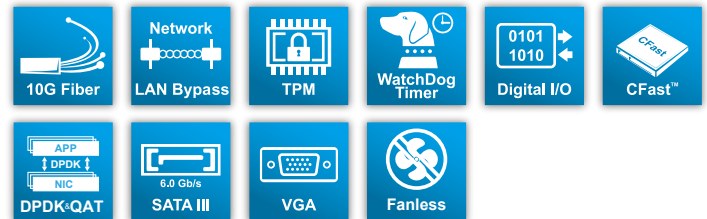
AND-DNV3N3

Intel® Denverton Platform, PoE Desktop Networking Appliance



Features

- Intel® Denverton C3000 Platform
- 4/8 core SoC options
- 2 x SO-DIMM DDR4
- Support 8 x 1GbE LAN, 2/4 x 10G SFP+
- Support PoE By Module
- Dual DC-in for redundancy



Others

Battery	Lithium Battery, 3V 220mAH (CR2032)
Hardware Monitoring	CPU Volt. CPU & SYS Temp.
Security	TPM 2.0 (Infineon chipset)
QAT & DPDK	Support QAT & DPDK

Power Requirement

Power Supply Unit	12V(40 or 60W),54V(150W)for PoE
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Software

OS Support	Linux Kernel 4.8 or above, (64-bit)
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Mechanical & Environment

Dimensions	300 (W) x 44 (H) x 201 (D) mm
Operating Temp.	0~ 40°C (32~104°F)
Storage Temp.	-20~80°C (-4~176°F)
Relative Humidity	0 to 90% @40°C, non-condensing
Certifications	CE, FCC Class A, RoHS 2, cULus

Specification

System

CPU	Intel® Atom® C3758 Processor (8 core) Intel® Atom® C3558 Processor (4 core)
Chipset	Intel® Denverton SoC
Memory	2 x SO-DIMM DDR4(C3558,C3758)
BIOS	AMI
WatchDog Timer	Software programmable 0~255 sec.

Video

Video Interface	VGA
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Ethernet

Chipset	Intel® i210, X553
Connector	AND-DNV3N3-04: 8 x 1GbE 2 x 10G SFP+ AND-DNV3N3-04P: 2 x 1GbE 6 x PoE 2 x 10G SFP+ AND-DNV3N3-08: 8 x 1GbE 4 x 10G SFP+
LAN bypass	One Pair

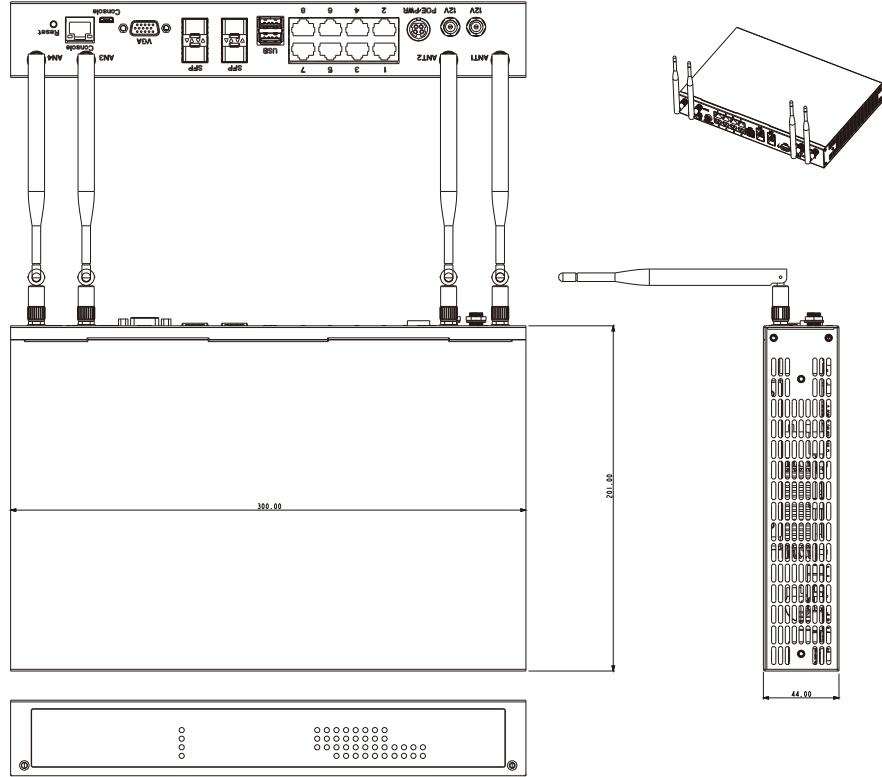
Storage

HDD Bay	1 x 2.5" SATA-III port
CFast	1 x CFast socket
M.2 NVME	1 x M.2 2280 socket (C3758 only)

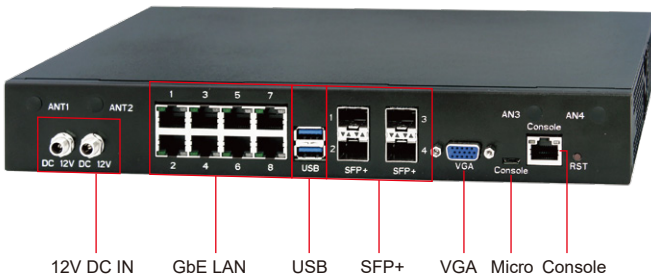
I/O

Console port	1 x Serial console (RJ-45), 1 x USB console (micro-USB)
USB port	2 x USB 3.0
Antenna port	4 x SMA for WLAN (IEEE 802.11a/b/g/n/ac)&4GLTE
GPIO	8-bit GPIO (4-In, 4-Out), on-board pin header
Expansion	2 x Mini PCIe Socket, one with SIM Socket

Dimensions



I/O Connectors



Packing List

- AND-DNV3N3-system x 1
- SATA cable x 1
- Adapter x 2
- Screw kit x 1

Optional accessory kit

- DDR4 16G : Certified DDR4 16GB 3200MHz RAM
- DDR4 8G : Certified DDR4 8GB 3200MHz RAM
- DDR4 4G : Certified DDR4 4GB 3200MHz RAM
- 4G Module : 4G Module with 1 Antenna
- WiFi & Bluetooth Module : WiFi & BT Module with 3 Antennas
- Power cord : USA / EU / JPN / UK power cord (Need to buy two cables)

Ordering Information

AND-DNV3N3-04	Intel Atom C3558 CPU, 8 GbE Copper (1-pair bypass), 2x SFP+, 2x 12V DC-In
AND-DNV3N3-04P	Intel Atom C3558 CPU, 2 GbE Copper (1-pair bypass), 6x PoE, 2x SFP+, 2x 12V DC-In and 48V DC-In.
AND-DNV3N3-08	Intel Atom C3758 CPU, 8 GbE Copper (1-pair bypass), 4 SFP+, 2x 12V DC-In