

# ANR-DNV3N3

1U Rackmount IoT Gateway/Network Micro Server Intel® Denverton Platform, 1 Exp. NIM, & 1U Redundant PSU



## Features

- Intel® Denverton C3000 Platform
- 4 x UDIMM DDR4
- 1 x Exp. NIM (1G/10G/25G/40G Fiber/Copper/LAN Bypass)
- 1 x Mgmt. port
- 3 x 2.5" SATA-III Drive bay, 1 x CFast
- 2 x smart cooling fan
- ATX 250W / 1+1 Redundant PSU



## Specification

### System

CPU	Intel® Atom® C3558 Processor(4C/4T) Intel® Atom® C3758 Processor(8C/8T) Intel® Atom® C3958 Processor(16C/16T)
Chipset	Intel® Denverton SoC
Memory	4 x ECC DIMM DDR4
BIOS	AMI
WatchDog Timer	Software programmable 0~255 sec.

### Video

Video Interface	VGA
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### Ethernet

Chipset	Intel® I210, X553
Connector	8 x GbE Copper (RJ-45) 1 x GbE/Management port 1 x GbE Fiber(SFP) 2/4 x SFP+
LAN bypass	2-pairs

### Storage

HDD Bay	3 x 2.5" SATA-III Drive bay
CFast	1 x CFast socket

### I/O

Console port	1 x Serial console (RJ-45)
USB port	1 x USB console (micro-USB)
LCM	Graphic LCM
GPIO	8 bit GPIO (4-In, 4-Out), on-board pin header
Exp. NIM	1 x Exp. NIM Hot-swappable (Not for C3558) (1G/10G/25G/40G, Fiber/Copper/LAN Bypass)
Expansion	1 x Exp. PCIe Gen3 x8(FHHL)(Not for C3558) (Not available if NIM is used)

### Others

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

### Power Requirement

Power Supply Unit	ATX 250W / 1+1 Redundant ATX 280W PSU
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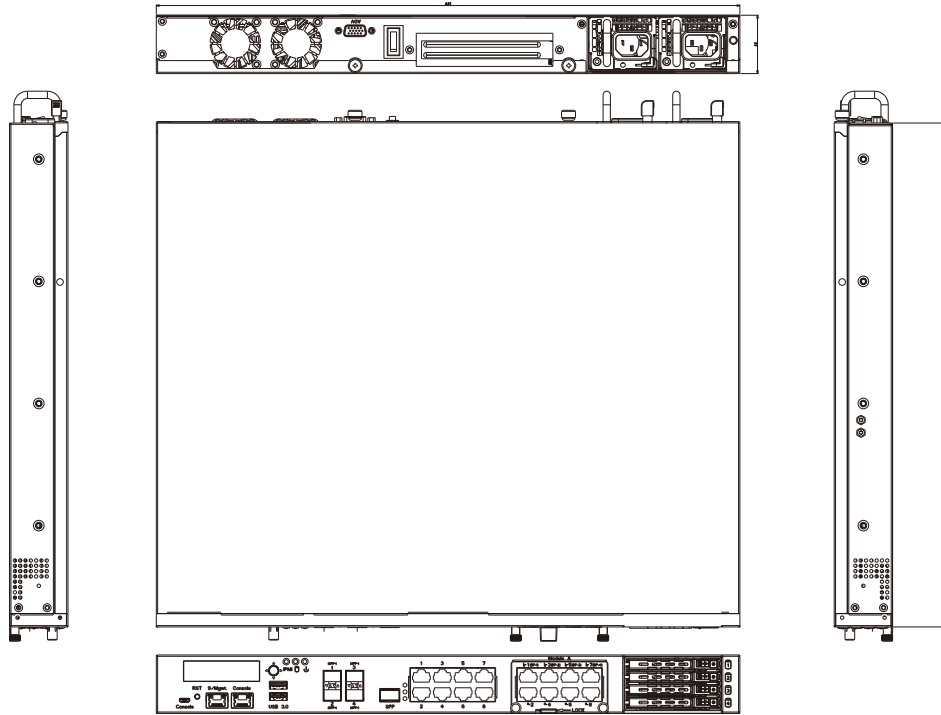
### Software

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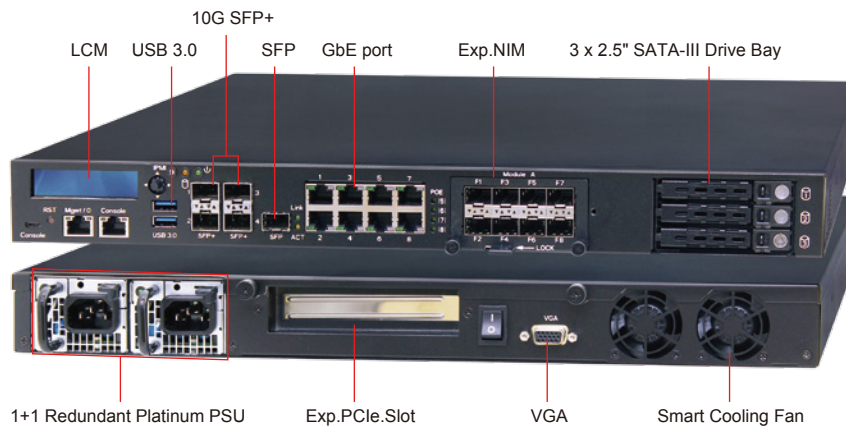
### Mechanical & Environment

Dimensions	430 (W) x 44 (H) x 400 (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

## Dimensions



## I/O Connectors



## Packing List

• ANR-DNV3N3-system x 1
• Console cable (RJ-45 to Serial) x 1
• Rackmount bracket
• USA / EU / JPN / UK / AS / NZS / SA / India power cord x 1
• Screw Pack x 1

## Ordering Information

ANR-DNV3N3-04	Intel Atom C3558 (4-core) Soc, 9 GbE Copper (2-pair bypass), 1 SFP and 2 SFP+, 2 USB 3.1, 3x2.5" SATA III, 1 VGA and ATX PSU.
ANR-DNV3N3-08	Intel Atom C3758 CPU, 9 GbE Copper (2-pair bypass), 1 SFP and 4 SFP+, ATX 250W.
ANR-DNV3N3-16R	Intel Atom C3958 CPU, 9 GbE Copper (2-pair bypass), 1 SFP and 4 SFP+, and 300W 1+1 Redundant PSU.