

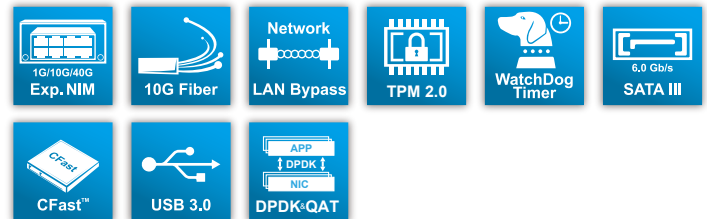
# ANR-DNV3N3-series

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



## Features

- Intel® Denverton C3000 Platform
- 4~16 core SoC options
- 4 x UDIMM DDR4
- 1 x Exp. NIM (1G/10G/25G/40G Fiber/Copper/LAN Bypass)
- 1 x Mgmt. port (Reserved)
- 3 x 2.5" Hot-swappable(Drive Bay), 1 x CFast
- 2 x smart cooling fan
- 1+1 Redundant PSU



## 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	1+1 Redundant ATX PSU (280W) 100-240VAC
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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

## Model Name

ANR-DNV3N3	1U Rackmount IoT Gateway/Network Micro Server .Intel® Denverton-NS platform .1 x Exp. NIM (1G/10G/25G/40G,Fiber/Copper/LAN Bypass) .9 x GbE, 2~4 x SFP+ .ATX or 1+1 Redundant PSU
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## Specification

### System

CPU	Intel® Atom® C3958 Processor Intel® Atom® C3858 Processor Intel® Atom® C3758 Processor Intel® Atom® C3558 Processor
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, I211, X553
Connector	8 x GbE Copper (RJ-45)(optional 4xPoE) 1 x GbE/Management port(Reserved) 1 x GbE Fiber(SFP) 2/4 x SFP+(C3558/C3758 or above)
LAN bypass	2-pairs

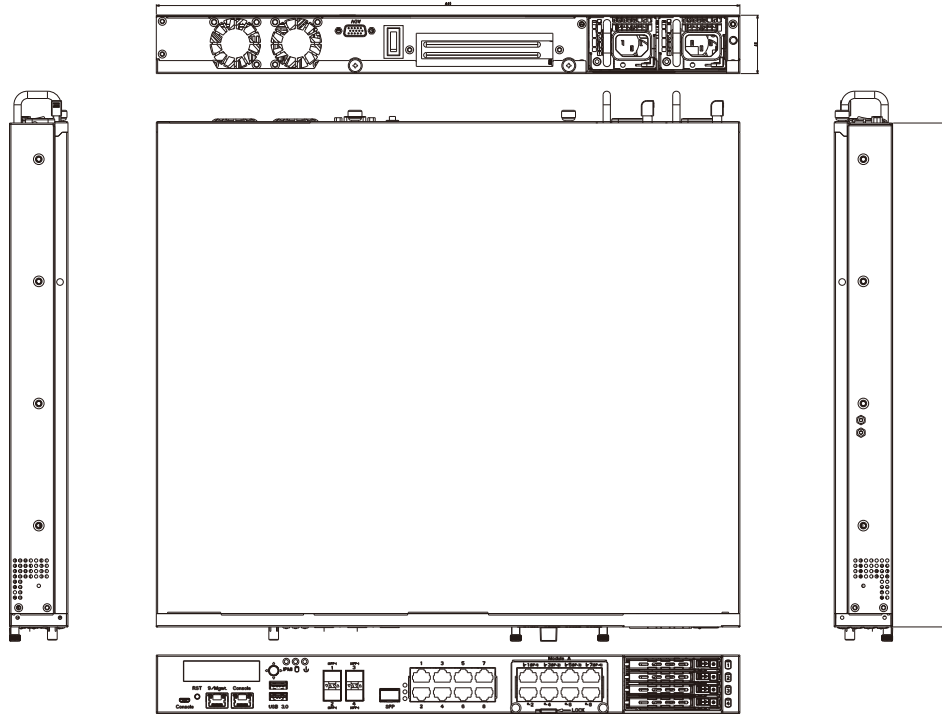
### Storage

HDD Bay	3 x 2.5" SATA-III Hot-swappable(Drive bay)
CFast	1 x CFast socket

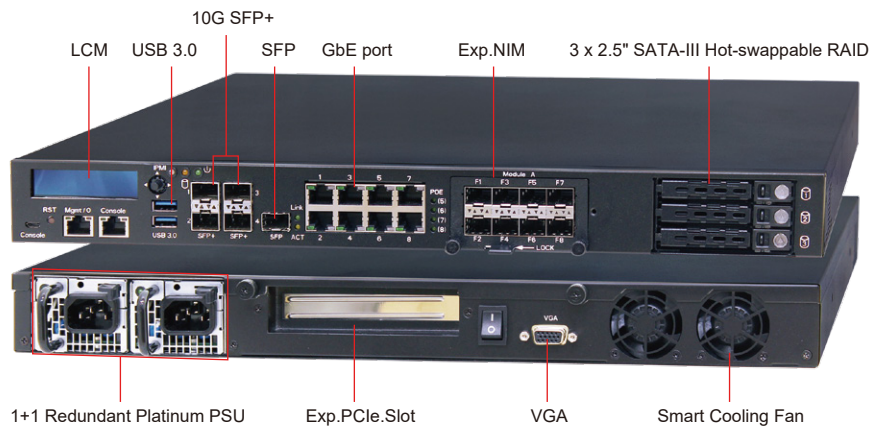
### I/O

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)

## Dimensions



## I/O Connectors



ANR-DNV3N3-series

## Packing List

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

## 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-DNV3N3-08P	Intel Atom C3758 (8-core) Soc,9 GbE Copper (2-pair bypass & 4xPoE),1 SFP and 4 SFP+1NIM/1 PCIe x8 Exp.Slot,2 USB 3.1,3x2.5" SATAIII,1 VGA, and ATX PSU.
ANR-DNV3N3-12R	Intel Atom C3558 (12-core) Soc,9 GbE Copper (2-pair bypass),1 SFP and 4 SFP+,1NIM/1 PCIe x8 Exp.Slot,2 USB 3.1,3x2.5" SATAIII,1 VGA, and 300W Redundant PSU.
ANR-DNV3N3-16R	Intel Atom C3958 (16-core) Soc,9 GbE Copper (2-pair bypass),1 SFP and 4 SFP+,1NIM/1 PCIe x8 Exp.Slot,2 USB 3.1,3x2.5" SATAIII,1 VGA, and 300W Redundant PSU.