

# ANR-DNV3N3

**1U Rackmount Network Server with  
Intel® Atom™ C3558/C3758/C3958  
& 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 Management port
- 3 x 2.5" SATA III Drive bay, 1 x CFAST
- 2 x smart cooling fan
- ATX 250 W/1+1 Redundant PSU

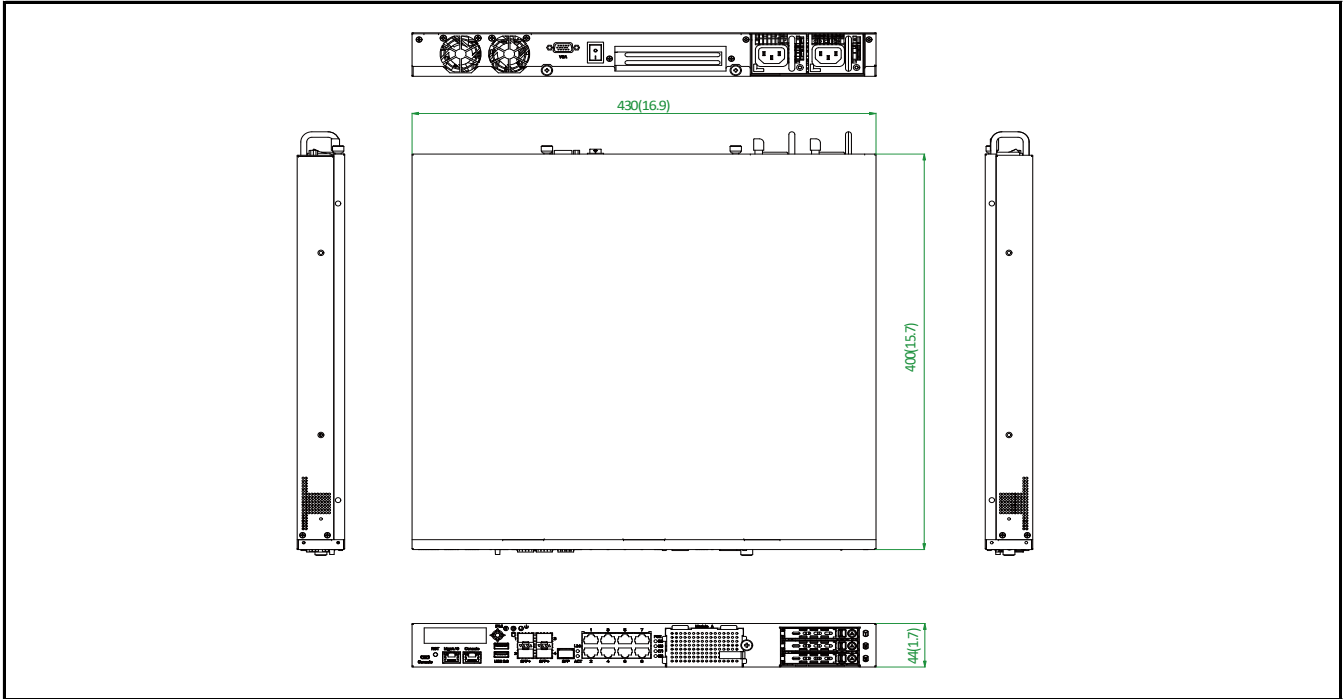
## Specifications

System	
CPU	Intel® Atom™ C3558 Intel® Atom™ C3758 Intel® Atom™ C3958
Chipset	Intel® Denverton SoC
Memory	4 x UDIMM DDR4
BIOS	AMI
WatchDog Timer	Software programmable 0 ~ 255 sec.
Video	
Video Interface	VGA
Ethernet	
Ethernet port	8 x GbE Copper (I210AT) 1 x GbE/Management port 1 x GbE Fiber (I210IS) 2/4 x 10GbE Fiber (SoC)
LAN bypass	2-pairs by LAN [1-2, 3-4]
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)

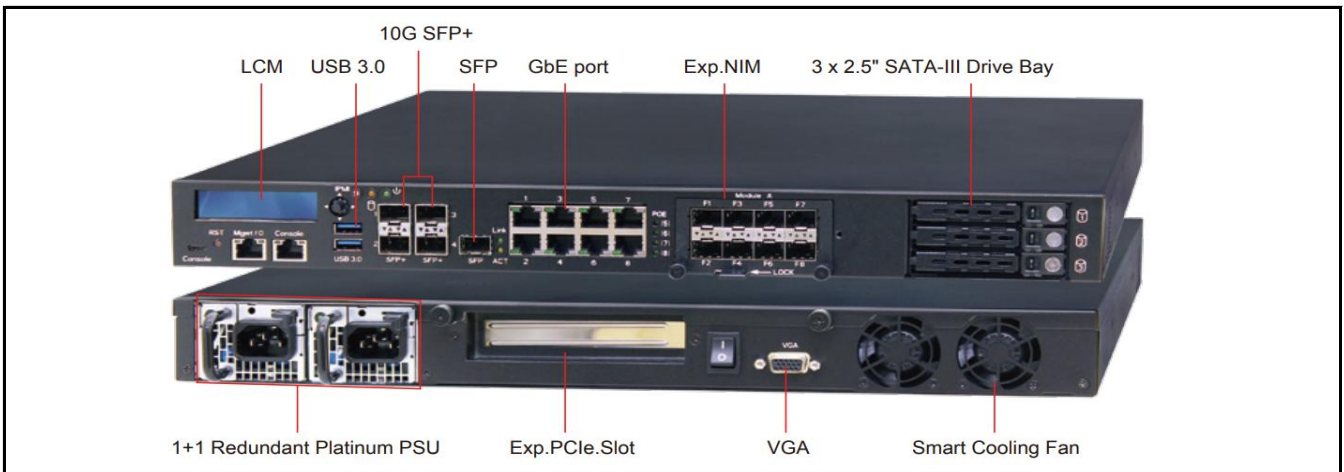
Others	
Battery	Lithium Battery, 3V 220 mAH (CR2032)
Hardware Monitoring	CPU Volt. CPU & SYS Temp. FAN Speeds
Security & Management	TPM 2.0 (Infineon chipset) Chassis Intrusion Detection
QAT & DPDK	Support QAT & DPDK
Power Requirement	
Power Supply Unit	ATX 250 W/1+1 Redundant ATX 300 W PSU
Software	
OS Support	Linux Kernel 4.8 and above (64-bit)
Environment & Mechanical	
Dimension	430 x 44 x 400 mm (16.92" x 1.73" x 15.74")
Operating Temperature	0 ~ 40 °C (32 ~ 104 °F)
Storage Temperature	-20 ~ 80 °C (-4 ~ 176 °F)
Relative Humidity	0% ~ 90% @40 °C, non-condensing
Certifications	CE, FCC Class A, RoHS 2

## Dimension

Unit: mm / inch



## I/O Connectors



## Order Information

### Packing List

- 1 x System
- 1 x Console cable (RJ-45 to Serial)
- 1 x Rackmount bracket
- 1 x Screw Pack

### Part Number

<b>ANR-DNV3N3-04</b>	Intel Atom C3558 (4-core) SoC, 9 x GbE Copper (2-pair bypass), 1 x SFP and 2 x SFP+, 2 x USB 3.1, 3 x 2.5" SATA III, 1 x VGA and ATX PSU
<b>ANR-DNV3N3-08</b>	Intel Atom C3758 CPU, 9 x GbE Copper (2-pair bypass), 1 x SFP and 4 x SFP+, ATX PSU
<b>ANR-DNV3N3-16R</b>	Intel Atom C3958 CPU, 9 x GbE Copper (2-pair bypass), 1 x SFP and 4 x SFP+, and 300 W 1+1 Redundant PSU