

# NCR-1510

**Wide Temperature Network Appliance  
Powered by Intel® Atom® C3000 (Denverton)**



Images are for reference only. See ordering information for SKU details.

## ■ Features

- Intel® Atom® 2~8 Cores C3308/C3508/C3708 CPU (Denverton)
- 4x RJ45, 2x SFP or 2x RJ45 (By SKU), 1 Pair of Gen3 Bypass, 1x Mini USB Console, 2x USB 3.0 (SKU B/C), 1x 2.5" HDD/SSD Bay (Optional)
- SKU A/D: 1x 260-pin SODIMM, SKU B/C/E/F: 2x 260-pin SODIMM
- SKU A/B/C: 1x M.2 B key 3042 for LTE, 2242 SSD (signal: USB3.0, SATA) with Nano-SIM; 2x Mini-PCIe for Wi-Fi, LTE (signal: USB2.0, PCIe) with Nano-SIM, SKU D/E/F: 1x removable PGN-300/600 Caddy
- Intel® QuickAssist Technology up to 10Gbps
- Wide Operating Temperature range: -40~70°C (SKU C/F to 60°C)

## ■ Specifications

Platform	
Form Factor	Desktop
Processor Options	Intel® Atom® C3308/C3508/C3708 (Denverton)
CPU Socket	Onboard
Chipset	SoC
Security Acceleration	Intel® QuickAssist Technology
BIOS	AMI SPI Flash BIOS
System Memory	
Technology	DDR4 up to 2400MHz ECC/non-ECC DIMM
Max. Capacity	SKU A/D: 32GB, SKU B/C/E/F: 64GB
Socket	SKU A/D: 1x 260-pin SODIMM, SKU B/C/E/F: 2x 260-pin SODIMM
Networking	
Ethernet Ports	4 x GbE RJ45 Intel® SoC Integrated MAC 2 x SFP Intel® i210 (By SKU) or 2 x GbE RJ45 Intel i210 (By SKU)
Bypass	1 Pair of Gen3
NIC Module Slot	N/A
LOM	
IO Interface	N/A
OPMA Slot	N/A
I/O Interface	
Reset Button	1
LED	Power/Status/Storage
Power Button	1
Console	1 x Mini USB
USB	2 x USB 3.0
LCD Module	N/A
Display	N/A
Power Input	1 x 2-pin terminal block

Storage	
HDD/SSD Support	1 x 2.5" Bay (Optional)
Expansion	
Mini-PCIe	SKU A/B/C: 1x M.2 B key 3042 for LTE, 2242 SSD (signal: USB3.0, SATA) with Nano-SIM; 2x Mini-PCIe for Wi-Fi, LTE (signal: USB2.0, PCIe) with Nano-SIM
PGN slot	SKU D/E/F with 1x PGN slot
SIM Card Slot	2 x Nano SIM
Miscellaneous	
Watchdog	Yes
Internal RTC with Li Battery	Yes
TPM	Onboard TPM 2.0
Cooling	
Processor	Passive CPU Heatsink
System	Fanless
Environmental Parameters	
Temperature	-40~70°C Operating (SKU A/B/D/E) -40~60°C Operating (SKU C/F) -40~85°C Ambient storage
Humidity (RH)	5~90% Operating 5~95% Non-Operating
System Dimensions	
(WxDxH)	310 x 240 x 44 mm
Weight	3 kg
Package Dimensions	
(WxDxH)	TBD
Weight	TBD
Power	
Type / Watts	12V, 5A
Input	9~54V DC
Certification	
Approvals and Compliance	RoHS, CE/FCC Class A

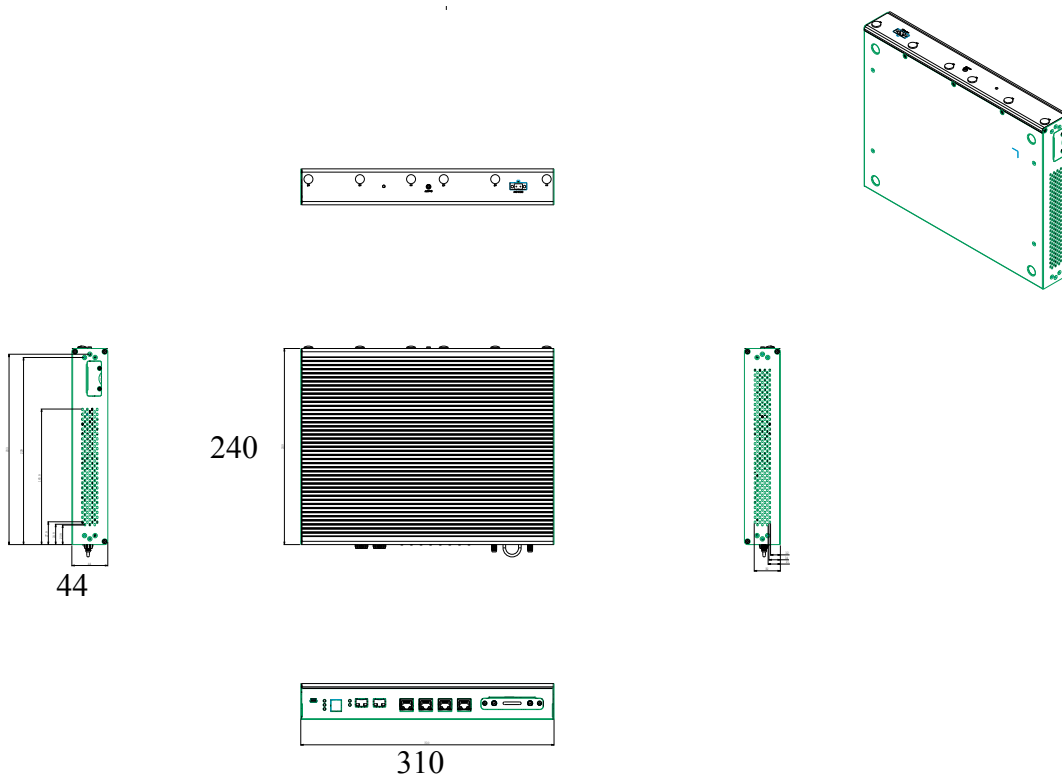
## Product I/O View

Images are for reference only. See ordering information for SKU details.



- A** Mini USB Console
- B** System LED
- C** USB 3.0
- D** GbE RJ 45 or SFP port
- E** Bypass pair
- F** GbE RJ45
- G** PGN slot
- H** Power On/Off Switch
- I** 2-pin terminal block

## Dimensions (WxDxH) 310 x 240 x 44 mm



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## Ordering Information

<b>NCR-1510A</b>	C3308, 6x GbE RJ45 w/ 1 Pair of Gen3 Bypass
<b>NCR-1510B</b>	C3508, 6x GbE RJ45, w/ 1 Pair of Gen3 Bypass
<b>NCR-1510C</b>	C3708, 4x GbE RJ45, 2x GbE SFP, w/ 1 Pair of Gen3 Bypass
<b>NCR-1510D</b>	C3308, 6x GbE RJ45 w/ 1 Pair of Gen3 Bypass, 1x Optional removable PGN-300/600 Caddy
<b>NCR-1510E</b>	C3508, 6x GbE RJ45, w/ 1 Pair of Gen3 Bypass, 1x Optional removable PGN-300/600 Caddy
<b>NCR-1510F</b>	C3708, 4x GbE RJ45, 2x GbE SFP, w/ 1 Pair of Gen3 Bypass, 1x Optional removable PGN-300/600 Caddy
<b>PGN-300</b>	4G LTE Radio Modem with LTE Cat-6 embedded module
<b>PGN-600</b>	4G LTE-Advanced Pro Radio Modem with LTE Cat-12 embedded module

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