

NVA-3000

Surveillance Platform
Powered by the Intel® Atom® N4200/x7-E3950
(Codenamed Apollo Lake)



■ Features

- Intel® Atom® N4200/x7-E3950
- LPDDR4 SDRAM (Max. 4GB), eMMC (Max. 64GB)
- 2x 100/1000 Mbps LAN, 8x PoE+, 2x USB3.0, 4x DI&DO
- 1x 3.5" HDD Bay, 2x Onboard SATA Ports
- 2x System Fans, +54 Vdc Power Input

■ Specifications

Processor System

CPU	Intel® Atom® N4200/x7-E3950
Frequency	2GHz
Core Number	4C
BIOS	AMI 32Mbit SPI Flash BIOS
Chipset	SOC
Fanless	No

Memory

Technology	LPDDR4 2400MHz
Max. Capacity	4 GB
Socket	1x 204-pin SDRAM

Graphic

Controller	Intel® HD Graphics
------------	--------------------

HDMI

Audio

Codec

Interface

Ethernet

Controller	Intel® I210IT, I210IS, Marvell 88E6390 Ethernet Switch, 88E1512 PHY
Speed	10/100/1000 Mbps
Interface	2x RJ45 + 8x RJ45 PoE+
Storage	
Type	SATA III
Installation	1x 3.5" HDD/SSD Drive Bay

I/O

Serial Port	-
Digital I/O	4x DI, 8x DO with +5V TTL
USB 2.0	-
USB 3.0	2x Type A
Power-On/Reset Button	1x Reset
Remote Power Switch	No
LED	Power/Storage/LAN/PoE

Expansion Interface

Mini-PCIe	-
-----------	---

Watchdog Timer

Watchdog Timer 1~255 Level Time Interval System Reset, Software Programmable

Power

Power Type	ATX
Power Supply Voltage	+54 Vdc
Connector	2-pin Terminal Block
Power Consumption (Idle)	TBD
Power Consumption (Full Load)	TBD

Environment

Operating Temperature	0°C~40°C (with Industrial-grade Components)
Storage Temperature	-20°C~60°C
Relative Humidity	0%~95% (Non-condensing)
Vibration	IEC 60068-2-64, 0.5Grms, random 5 ~500 Hz, 40 mins/axis

Mechanical

Dimension (W x H x D)	310 x 44 x 220 mm
Construction	SGCC
Weight	TBD
Mounting	Wallmount

Driver Support

Microsoft Windows	WES7, Win 7 Pro FES, WE 8.1 Industry Pro, Win 10 IoT
Linux	Kernal 3.12

Certification

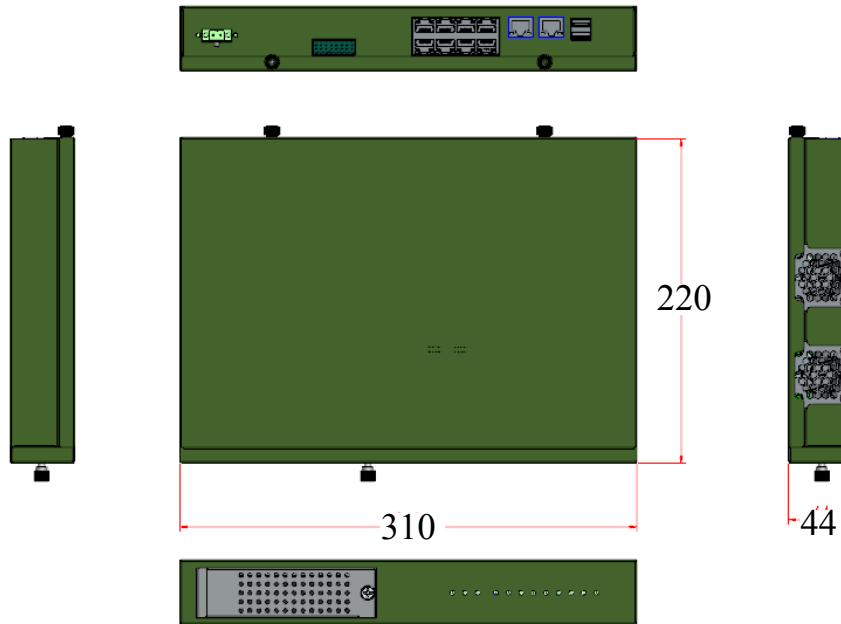
EMC	CE/FCC, Class B
Safety	None

■ Product I/O View



- | | | |
|----------------------|------------------|----------------------|
| A HDD 3.5" | D USB 3.0 | G Digital I/O |
| B Reset | E LAN x2 | H DC_IN |
| C Status LEDs | F PoE+ | |

■ Dimensions (W x H x D) 310 x 44 x 220 mm (12.2" x 1.7" x 8.7")



■ Ordering Information

- | | |
|-----------|---|
| NVA-3000A | Intel Apollo Lake N4200 1.10GHz CPU + eMMC 8GB |
| NVA-3000B | Intel Apollo Lake x7-E3950 1.6GHz CPU + eMMC 64GB |