

NSA-50A1-00

NSA-50A1-01



Features

- Intel® Atom® C3338R Processor
- Support 1 x DDR4 ECC SODIMM
- Support 4 x 2.5GbE
- Support 1-pair Bypass
- Optional 4G LTE, 5G, Wi-Fi 6
- GPIO pin header
- Smart Fan design
- Optional DC 12V single power / Dual power input



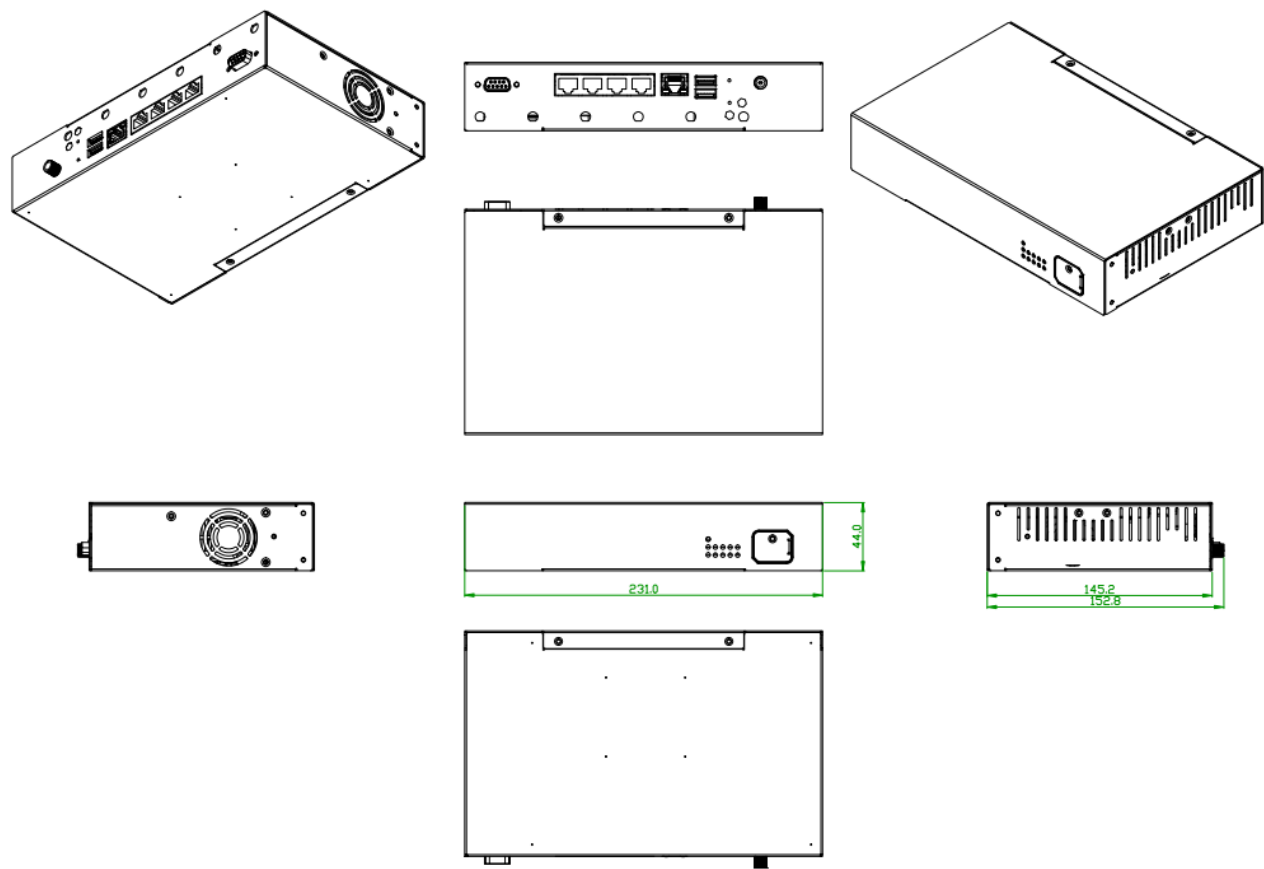
Specifications

System	
CPU/GPU	Intel® Atom® C3338R, 4C4T, 2.20GHz
Chipset	Intel® SoC
Memory	1 x DDR4 ECC SODIMM
Storage	1 x 2.5” SATA Storage 1 x M.2 2242 B key
BIOS	AMI
Watch Dog Timer	Software programmable 0~255 sec
Wireless	Support 4G LTE, 5G, Wi-Fi 6
Power Supply	
Power Requirement	DC Jack, 12Vdc 40W Adapter
Power Consumption	TBD (with Fan)
MTBF (Hours)	--
Environmental and Mechanical	
Dimension	215mm(W) x 143mm(D) x 45mm(H)
Weight	1.2 kg
Mounting/Installation	Wall Mount
Operating Temperature	32 °F ~ 104 °F (0 °C ~ 40 °C)
Storage Temperature	-4 °F ~ 176 °F (-20 °C ~ 80 °C)
Operating Humidity	0% ~ 90% relative humidity, @ 40 °C
Certification	
Regulations	CE, FCC

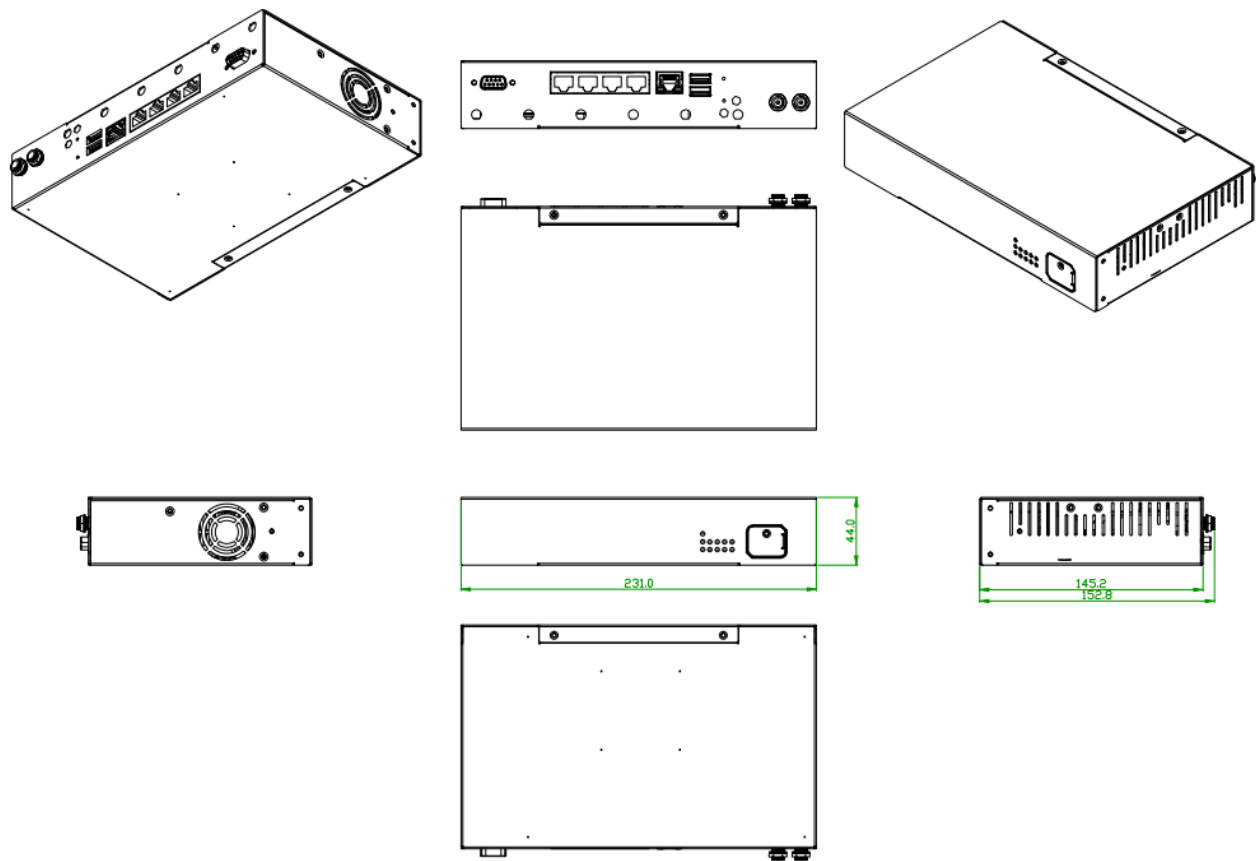
Interface		
I/O connector	4 x 2.5 GbE RJ-45 2 x USB 3.0 1 x RJ45 Type Console 1 x DC-in DC Jack connectors(12V) 8 x Antenna holes Reset Button LED Indicators 1 x External Easy Access SIM Slots Dual DC in input connector (for SKU option)	
	Expansion Slot	1 x M.2 2230 E key (For Install Wi-Fi Module) 1 x M.2 3042/3052 B key (For Install 4G/5G Module) Could Install SATA Storage Module)
	Connector	4x 2.5 GbE RJ-45
	LAN bypass	1-pair LAN Bypass
OS support	Linux Kernel 5.15 LTS & above (64-bit)	
Other Interface		
TPM	Support TPM 2.0	
SW button	SW reset button	
QAT & DPDK	Support QAT&DPDK	
Other Interface	--	

Dimension
single power

Unit: mm / inch



Dual power input



Ordering Information

Part Number	Packing List
2NSA-50A1-00-401E01 Intel® Atom® C3000 Processor, 4 x 2.5GbE, Networking single power	
2NSA-50A1-01-401E01 Intel® Atom® C3000 Processor, 4 x 2.5GbE, Networking Dual power input	

Optional Accessories

Item			
Memory-ECC	DDR4 ECC 8GB/16GB	Wi-Fi module	M.2 2230 E key
Memory-Non-ECC	DDR4 8GB/16GB	Power cord	US/EU/JPN/UK
4G LTE module	M.2 3042 B key		
5G module	M.2 3052 B key		
Dual DC in module	Dual DC 12V power input module		