

NCA-1011

**Compact Fanless x86 Network Appliance
with Intel Bay Trail Platform
(Celeron J1900 CPU)**



■ Features

- Desktop form factor
- Intel quad-core Celeron J1900 SoC CPU (codename Bay Trail)
- Fanless design
- 5 x RJ45 GbE LAN ports, 2 x USB 2.0 ports, 1 x RJ45 console port
- 1 pair Gen.3 LAN Bypass
- 1 x DDR3L SODIMM max. up to 8GB memory
- 1 x full-length mini-PCIe slots for wireless connectivity

■ Preliminary Specifications

Processor System

CPU	Intel® Celeron J1900 SoC CPU
Frequency	Up to 2.42 GHz
Core Number	4 cores
BIOS	AMI SPI Flash BIOS
Chipset	SoC

Memory

Technology	DDR3L 1333MHz non-ECC
Max. Capacity	8 GB
Socket	1 x 204-pin SODIMM

Ethernet

Controller	5 x Intel i211
Speed	10/100/1000 Mbps
Interface	RJ-45
Bypass	1 pair Gen.3

Storage

Type	1x SATA II connector, mSATA mini
Installation	1 x 2.5" drive bay for SSD (Optional)

I/O

Reset Button	1 x reset button, software reset by default
Console	1 x RJ45
USB	USB 2.0 x 2
IPMI	N/A

Expansion

PCIe	1 x Mini-PCIe reserved (PCIe/USB)
PCI	N/A

Cooling

Processor	Passive CPU heatsink
System	Fanless

Environment

Operating Temperature	0 ~ 40°C
Storage Temperature	-40 ~ 70°C
Relative Humidity	5% ~ 90%, non-condensing

Miscellaneous

LCD Module	N/A
Watchdog Timer	Yes
Internal RTC with Li Battery	Yes

Mechanical

Dimension (W x H x D)	230 x 47.7 x 170 mm
Weight	1.2 kg
Mounting	Optional rackmount kit
Fanless	Yes

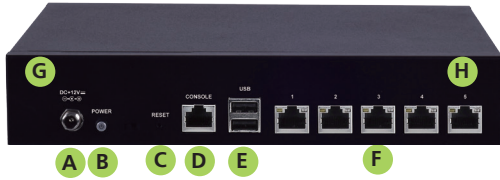
Power

Type / Watts	36 W power adapter
Input	AC 100~240V@50~60 Hz

Driver Support

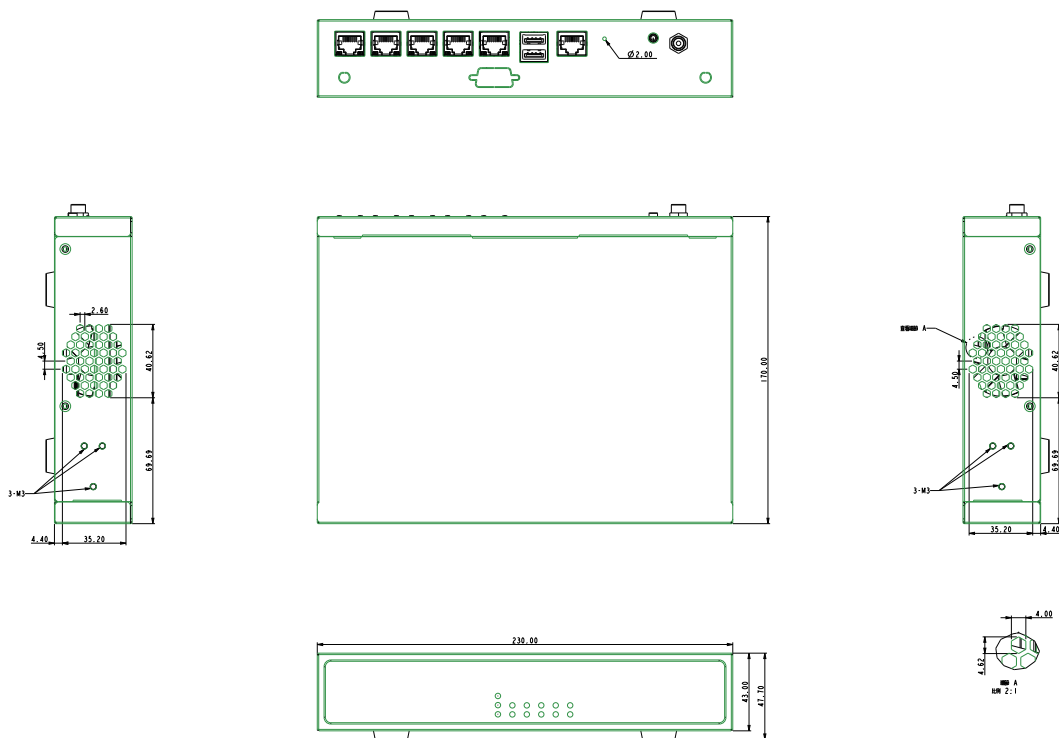
Microsoft Windows	Windows 7/8
Linux	Fedora 18/Yocto

Product I/O View



- A** DC power jack
- B** On/Off
- C** Reset
- D** Console
- E** USB
- F** Intel GbE RJ45
- G** Antenna hole
- H** Antenna hole

Dimensions 230 x 47.7 x 170 mm



Ordering Information

NCA-1011A

Intel® Celeron® processor J1900 series (Codename "Bay Trail"), 5 Intel GbE LAN ports with 1 pair Gen.3 Bypass, 1 RJ45 console, 2 x USB, 1 x mSATA mini socket, 1 x SATA, power adapter, 1 x optional 2.5" drive bay for SSD

HDD kit

PN9NSFBSVZ100, HDD KIT FW-7551

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