

NCA-1010

Compact Fanless x86 Network Appliance with Intel Bay Trail Platform (Atom E3815 or E3825 CPU)



■ Features

- Intel® Bay Trail E3815/E3825 CPU
- Compact fanless design
- 3 x GbE LAN ports, 1 x USB 2.0, 1 x USB 3.0 port, 1 x antenna hole
- 1 x Mini-PCIe slot for Wi-Fi/3G/4G/LTE, 1 x mSATA mini slot for storage
- 1 x DDR3L SODIMM, non-ECC 1067 MHz, max. capacity up to 8 GB

■ Preliminary Specifications

Processor System

CPU	Intel® Bay Trail E3815 or E3825 CPU
Frequency	1.46 GHz
Core Number	E3815:1 core, E3825: 2 cores
BIOS	AMI SPI Flash BIOS
Chipset	N/A

Fanless

Yes

Memory

Technology	DDR3L 1067 MHz non-ECC
Max. Capacity	8 GB
Socket	1 x 204-pin DIMM

Ethernet

Controller	3 x Intel i211
Speed	10/100/1000 Mbps
Interface	RJ-45
Bypass	N/A

Storage

Type	mSATA mini
Installation	1 x mSATA mini (half size)

I/O

Reset Button	1 x reset button, hardware reset only
Console	1 x RJ45
USB	USB 2.0 x 1, USB 3.0 x 1
IPMI	N/A

Display

HDMI port x 1

Expansion

PCIe	1 x Mini-PCIe
PCI	N/A

Cooling

Processor	Passive CPU heatsink
System	Fanless

Environment

Operating Temperature	0 ~ 40°C
Storage Temperature	-20 ~ 70°C
Relative Humidity	0% ~ 90%, non-condensing

Miscellaneous

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

Mechanical

Dimension (W x H x D)	124.26 x 19.4 x 119.66 mm
Weight	0.5 kg
Mounting	N/A

Power

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

Driver Support

Microsoft Windows	Windows 7, Windows 8, WES 7, WES 8
Linux	Linux (Fedora 18/Yocto)

Certification

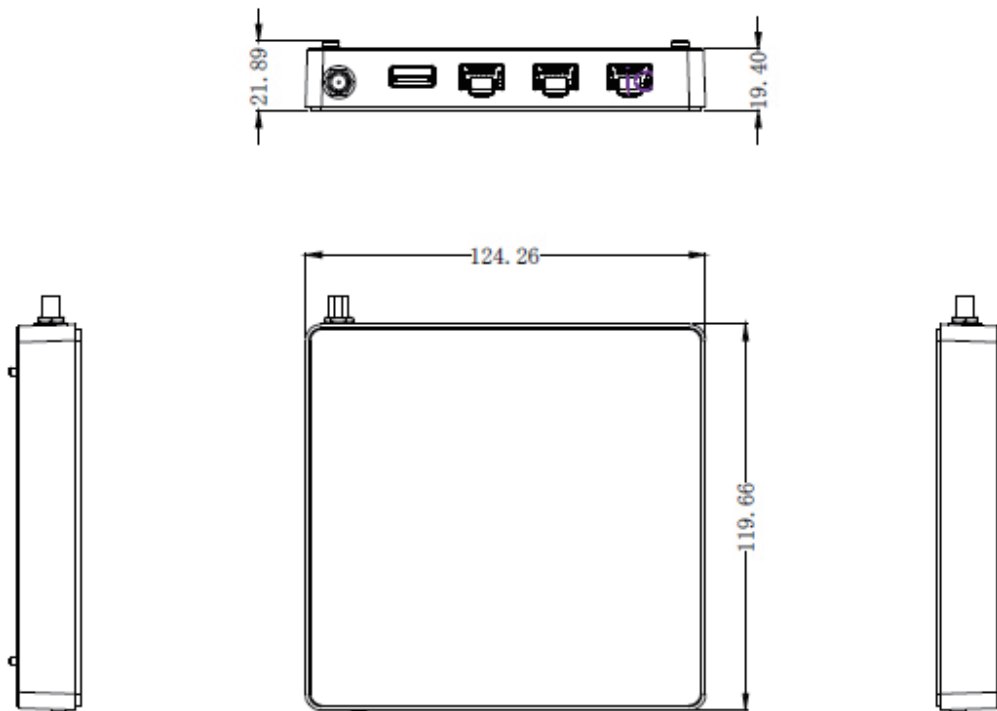
EMC	CE Class B, FCC Class B
Safety	UL

■ Product I/O View



- | | | |
|------------------|---------------------|-----------------------|
| A On/Off | D Console | G USB 3.0 |
| B USB 2.0 | E Power Jack | H Antenna Hole |
| C HDMI | F GbE RJ45 | |

■ Dimensions 124.26 x 19.4 x 119.66 mm



■ Ordering Information

- NCA-1010A** Compact Fanless x86 Network Appliance with Intel Bay Trail Platform (Atom E3815 CPU)
- NCA-1010B** Compact Fanless x86 Network Appliance with Intel Bay Trail Platform (Atom E3825 CPU)

V.2-2015.10.8

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