

NCA-1020

Ultra Compact Fanless x86 Network Appliance
with Intel® Celeron® N3010 Platform



NCA-1020B



NCA-1020A



■ Features

- Onboard Intel® Celeron® N3010 CPU (Codename Braswell)
- 1 x DDR3L SODIMM, Non-ECC 1600 MHz, Max. 8 GB
- 3 x RJ45 GbE LAN Ports, 1 Pair of Bypass
- 1 x USB 3.0, 1 x USB 2.0, 1 x HDMI
- 1 x Mini mSATA Socket, Optional 1 x SSD Drive (NCA-1020A)
- 2 x Antenna Holes for Wireless Connectivity
- 1 x Full-length Mini-PCIe with SIM Slot for Mobile Connectivity

■ Preliminary Specifications

Processor System

CPU	Intel® Celeron® N3010 CPU (Codename Braswell)
Frequency	1.04 GHz
Core Number	2
BIOS	AMI SPI Flash BIOS
Chipset	SoC

Memory

Technology	DDR3L 1600 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	1 Pair

Storage

Type	Mini mSATA
Installation	1 x Mini mSATA (Half-size)

I/O

Reset Button	1 x Reset Button, Hardware Reset
Console	1 x RJ45
USB	USB 2.0 x 1, USB 3.0 x 1
IPMI	N/A
Display	1 x HDMI

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

Fanless	Yes
Dimension (W x H x D)	136.76 x 35.5(21.9) x 119.66 mm
Weight	0.5 kg
Mounting	N/A

Power

Type / Watts	36W Power Adapter
Input	AC 100~240V@50~60 Hz

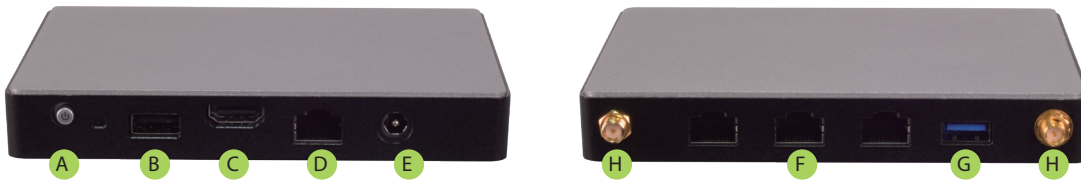
Driver Support

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

Certification

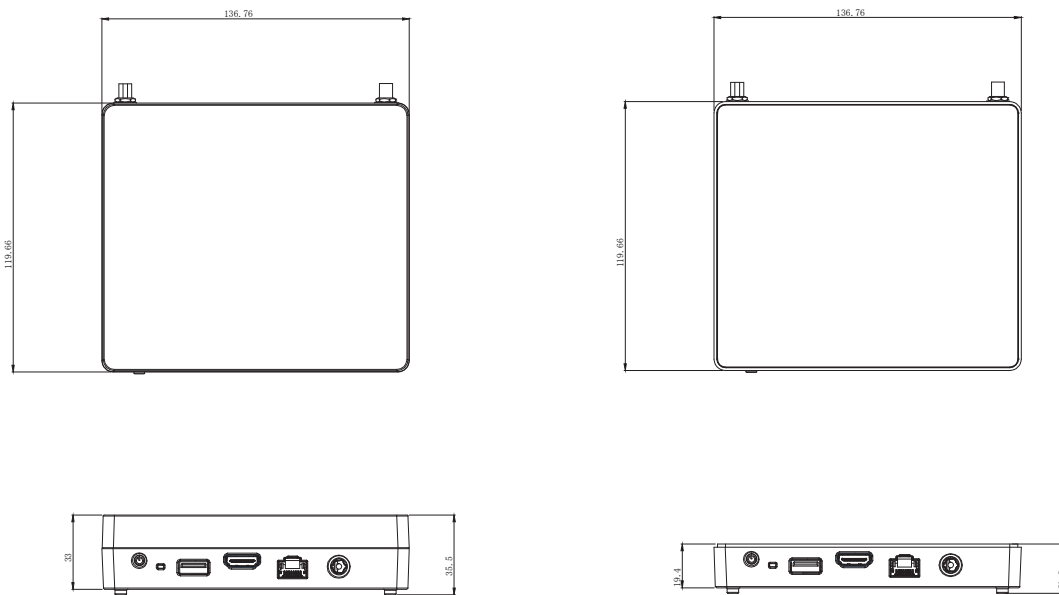
EMC	CE/FCC Class B
Safety	UL

Product I/O View



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

Dimensions 136.76 x 35.5(21.9) x 119.66 mm



Ordering Information

- | | |
|-----------|---|
| NCA-1020A | Ultra Compact Fanless x86 Network Appliance w/ Intel Braswell N3010 2C 1.04GHz, 1x DDR3L SO-DIMM Slot, 3x Gbe RJ45(3x Intel I211) w/ 1 Pair of Bypass, USB, Console, HDMI, Support 1x SSD |
| NCA-1020B | Ultra Compact Fanless x86 Network Appliance w/ Intel Braswell N3010 2C 1.04GHz, 1x DDR3L SO-DIMM Slot, 3x Gbe RJ45(3x Intel I211), w/ 1 Pair of Bypass, USB, Console, HDMI |

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