

Intel® N5105 4 LAN i211 5G CPE Fanless Network Appliance SD-WAN Security Gateway with TPM

📄 <https://www.pondesk.com/product/MNHO-096>

Features

- Fanless Firewall, Security Gateway Network Appliance
- 11th Gen. Intel N5105 Quad-Core Processor up to 2.90 GHz
- Aluminium Alloy Dustproof Fanless with Heat-pipe Solution
- 4x Intel i211-AT Gigabit RJ45 Ethernet Ports (Network wake-up/PXE)
- Integrated Trusted Platform Module (TPM 2.0)
- HDMI Display, Support 4K HD (Intel UHD Graphics)
- RJ45 Console, USB 3.1/USB 2.0 Ports
- Support 802.11 AC/AX Wi-Fi Network
- Support WWAN 5G/4G LTE Networks with Dual SIM
- Support up to 16GB SODIMM DDR4 Memory
- Support Dual Storage (mSATA & 2.5" SATA SSD/HDD)
- Intel® AES-NI Data Protection
- Energy Efficient, Low Power Consumption
- Easy Installation & VESA Mounting Capabilities
- Support Windows 10/11/Server & Linux, Firewalls etc.
- Can be configured as a Firewall, LAN/WAN Router, VPN, DNS/DHCP Server
- Perfect for 5G CPE, SDWAN, Security Gateway, Server, VPN and Firewall such as pfSense, & OPNsense etc.



Specifications

Processor

Intel® Celeron® N5105
4 Core, 4 Threads
4 MB L3 Cache, 2.90 GHz

Memory

Support up to 16GB
SODIMM DDR4 2933MHz
non-ECC Memory
Single Memory Slots

Storage

Support 1 x mSATA SSD
Support 1 x 2.5" SATA SSD/HDD
Support eMMC up to 128GB (optional)

Display

HDMI HD Display
Integrated Intel® UHD Graphics
Support 4K

Expansion Slots

1 x mSATA 3.0 (For mSATA SSD)
1 x Half Size mini PCIe Slot (For Wi-Fi/BT)
1 x M.2 3042/3052 B-Keyed (For 4G/5G WWAN)

Front I/O Interfaces

1 x HDMI
2 x SIM Slot
1 x Reset Switch
1 x Power Switch
1 x HDD LED, 1 x Power LED
4 x Antenna Ports

Rear I/O Interfaces

4 x Intel i211-AT Gigabit LAN
1 x RJ45 Console
1 x USB 3.1
1 x USB 2.0
1 x DC 12V~22V In (Screw Locking Jack)
2 x Antenna Ports

OS

Support Windows 10/11/Server
Support Linux, Firewalls etc.

CPU Advanced Technologies

Intel® Speed Shift Technology
Intel® 64
Enhanced Intel SpeedStep® Technology
Thermal Monitoring Technologies
Intel® Identity Protection Technology
Intel® AES New Instructions
Intel® OS Guard
Intel® Boot Guard
Intel® Virtualization Technology (VT-x)
Intel® Virtualization Technology for Directed I/O (VT-d)
Intel® VT-x with Extended Page Tables (EPT)

Onboard I/O

1 x mSATA Slot
1 x Half-size Mini PCIe Slot
1 x SATA 3.0
1 x M.2 3042/3052
2 x SODIMM DDR4
1 x FAN Connector 2pin
1 x USB3.0 Header

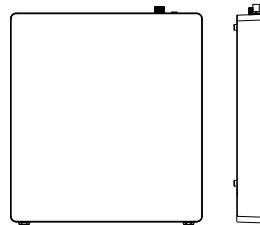
Power & Working Environment

Power Type: External Power Adapter
Power Adapter Input: AC 100-240V - 50-60Hz
Power Adapter Output: DC 12V 5A
System Power Input: DC 12V-22V
Operating Temperature: 0°C - 40°C
Storage Temperature: -20°C - 70°C
Relative Humidity: 5% - 95% (non-condensing)
Vibration: 0.5g rms/5-500HZ/random/operating

Others

BIOS: AMI
Cooling: Aluminum Alloy FANLESS, Silent
Dimensions: 162 x 109 x 37 mm

Dimensions



162mm x 109mm x 37mm (L*W*H)

Package

MODEL # MNHO-096
P/N: M09GN5NDALIC

- 1 x Mini PC
- 1 x Power Adapter
- 1 x Power Cord
- 1 x SATA Cable

Optional

WiFi/4G LTE

802.11 b/g/n/AX Wi-Fi 6
5G Sub-6 (up to 4Gbps)

Memory mSATA SSD 2.5" SSD

4GB/8GB/16GB DDR4 Memory
32GB/64GB/128GB/256GB/512GB mSATA SSD
128GB/256GB/512GB/1TB 2.5-Inch SSD

(Antennas are optional with module)

