



No. d'article: 250801
Numéro de fabricant: ALL-RackPC-N150

ALLNET Network Appliance/Server 19" Intel® N150 1HU - Barebone 4x 2.5GBit LAN 2x SFP+

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EAN CODE



1U rack network/security appliance – Intel® N150, 16GB DDR5, 4x2.5G + 2x10G SFP+, 256GB NVMe

This **energy-efficient rack network appliance** based on the **Intel® Alder Lake-N platform** is ideal as a **firewall/UTM, VPN gateway, router or SD-WAN CPE**. In the configuration of your choice, the system works with **Intel® Processor N150, 16GB DDR5** and a high-performance network configuration of **4x2.5GbE RJ45** plus **2x10G SFP+** – perfect for environments where **fast uplinks** and **stable 24/7 availability** are required.

Configuration (as specified by you)

- **CPU:** Intel® N150 (Alder Lake-N, low-power platform)

N97-N100-N200-N305-1U-2U?????

- **RAM:** 16GB DDR5 (SO-DIMM DDR5-4800; platform supports up to 48GB)

Network: 4x 2.5G RJ45 (Intel i226-V Controller) + 2x 10G SFP+

- **Storage:** 256GB NVMe SSD (configuration)

Highlights & advantages

- **Strong network focus:** 2.5G ports for LAN/DMZ segmentation + **10G SFP+** for fast backbone/core

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uplinks.

Expandable via PCIe: PCIe Gen3 x8 slot (x4 signal) for equipping with dual/quad NICs up to **10G SFP+**.

- **BYPASS option:** prepared slot/option for the **BYPASS function** (1–4 ports, customised) – important for security appliances in fail-safe operation.
- **Rack housing 1U or 2U:** with active cooling (several fans depending on height) for stable continuous operation.
- **Flexible power supply: 100–240V AC**, optional single or redundant power supply unit (depending on model/configuration).
- **I/O & management:** RJ45 console, USB 2.0/3.0, VGA and features such as **Watchdog** and **PXE/Wake-on-LAN**.
- **Typical areas of application**

Firewall/UTM, IDS/IPS, VPN gateway, site networking, SD-WAN, routing/load balancing, edge security in industrial or branch operations.

Category	Item	Value
Main	Code Name	Intel® Alder Lake-N
Main	Popular model	N150
Main	Memory	1 * SO-DIMM DDR5 4800MHz 16GB (MAX 48G)
LAN	IC	Intel® i226-V
LAN	Speed	2500Mbps 2.5G adapting
LAN	Interface	4 * Intel® Ethernet Controller 2.5G RJ45
Storage	M.2	N/A
Storage	mSATA / SATA	1 * SATA3.0 6Gbps / 1 * mSATA / 1 * CF (One out of three)
Display	Header/Pin	1 * VGA / 1 * JHDMI / 1 * EDP
BIOS	UEFI	AMI UEFI BIOS
USB	Interface	1 * USB2.0 / 1 * USB3.0
USB	Header/Pin	2 * USB2.0 (Vertical) / 6 * USB2.0 (Array pin)
Power Supply	Voltage	100-240V~50 / 60Hz
Power Supply	Mainboard	ATX 4PIN 12V / DC-12V 55mm*25mm
PCI-E	Extension	1 * PCI-E x8 Slot Gen3 PCIe3.0 x4



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Other	GPIO	4 * programmable GPIO
Other	Watchdog	255 levels, 0-255 seconds
Other	Bypass	N/A
Other	COM	1 * RJ45 Console / 2 * COM (Array pin)
Other	TPM	N/A
Other	4G / WiFi	1 * miniPCle
Other	Other	Network WakeUp / PXE
Dimension	Spec	1U (440mm*320mm*45mm) / 2U (435mm*439mm*90mm)
Work Temp	Temperature	0°C~60°C, Storage: -10°C~70°C
Work Temp	Humidity	10%~90%, Storage: 5%~95%, non-condensing
System	OS	Windows 10/11, Windows Server, Linux, not included!