Part No.: 250801
Vendor Part No.: ALL-RackPC-N150

ALLNET Network Appliance/Server 19" Intel® N150 1HU - Barebone 4x 2.5GBit LAN 2x SFP+ / 16GB RAM & 256GB Flash included. NO OS

>>> Go to the shop article



EAN CODE

4 0 3 8 8 1 6 2 5 0 8 0 3

1U rack-mounted network/security appliance – Intel® N150, 16GB DDR5, 4×2.5G + 2×10G SFP+, 256GB NVMe

This **rack-mounted network appliance**, based on the **Intel® Alder Lake-N platform** is ideal as a **firewall/UTM, VPN gateway, router or SD-WAN CPE**. In your chosen configuration, the system operates with **Intel® Processor N150**, **16GB DDR5** and high-performance network connectivity comprising **4×2.5GbE RJ45** plus **2××10G SFP+** – perfect for environments where **fast uplinks** and **reliable 24/7 availability** are required.

Configuration (as specified by you)

- **CPU:** Intel® **N150** (Alder Lake-N, low-power platform)
- **RAM: 16GB DDR5** (SO-DIMM DDR5-4800; platform supports up to **48GB**)

  Network: 4 × 2.5G RJ45 (Intel i226-V controller) + **2 × 10G SFP+**
- **Storage: 256GB NVMe SSD** (configuration)

Highlights & Benefits

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

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

Errors and technical changes that serve the interests of progress or development of the product, are reserved.

- **BYPASS option:** pre-configured slot/option for the **BYPASS function** (1–4 ports, customisable) – essential for security appliances in fail-safe operation.
- **1U rack-mount enclosure:** with active cooling (multiple fans depending on height) for stable continuous operation.
- **Flexible power supply: 100–240 V AC**, redundant power supply
- **I/O & Management:** RJ45 console, USB 2.0/3.0, VGA, as well as features such as **Watchdog** and **PXE/Wake-on-LAN**.
- **Typical applications**

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 included (MAX 48G)**
LAN	IC	Intel® i226-V
LAN	Speed	2500Mbps 2.5G adaptable
LAN	Interface	4 * Intel® Ethernet Controller 2.5G RJ45
Storage	M.2	**256GB NVMe included**
Storage	mSATA / SATA	1 * SATA 3.0 6 Gbps / 1 * mSATA / 1 * CF (one of the three)
Display	Header/Pin	1 * VGA / 1 * HDMI / 1 * EDP
BIOS	UEFI	AMI UEFI BIOS
USB	Interface	1 * USB 2.0 / 1 * USB 3.0
USB	Header/Pin	2 * USB 2.0 (Vertical) / 6 * USB 2.0 (Array pin)
Power Supply	Voltage	100–240 V~50 / 60 Hz
Power supply	Motherboard	ATX 4-pin 12V / DC-12V 55mm × 25mm
PCI-E	Extension	1 * PCI-E x8 slot Gen3 PCIe 3.0 x4
Other	GPIO	4 * programmable GPIO
Other	Watchdog	255 levels, 0–255 seconds
Other	Bypass	N/A
Other	COM	1 * RJ45 console / 2 * COM (array

Errors and technical changes that serve the interests of progress or development of the product, are reserved.

		pin)
Other	TPM	N/A
Other	4G / WiFi	1 * miniPCIe
Other	Other	Network WakeUp / PXE
Dimensions	Specifications	1U (440 mm × 320 mm × 45 mm) / 2U (435 mm × 439 mm × 90 mm)
Operating Temperature	Temperature	0°C–60°C, Storage: -10°C–70°C
Operating temperature	Humidity	10%–90%, Storage: 5%–95%, non-condensing
System	OS	**Windows 10/11, Windows Server, Linux, not included! Resellers/end users must decide for themselves which OS they wish to install.**

ALLNET GmbH - Maistraße 2 - 82110 Germering - sales@allnet.de - 089 / 894 222 22

Errors and technical changes that serve the interests of progress or development of the product, are reserved.