

# Nano-N3161

12th Gen Intel® Core™ Processor - Network Security



## FEATURES

- All aluminum alloy structure
- 12th Gen Intel® Core™ Processor
- 6 × Intel i225-V 2.5G LAN Ports (4 × POE optional)
- 3 × M.2 (support WiFi and 4G/5G at the same time)
- 2 × DDR4, Max. 64 GB
- Support dual 4K HD display
- Support TPM 2.0 security encryption

## SPECIFICATION

SYSTEM	
Processor	Intel® Core™ i3-1215U (6 core 8 threads, turbo frequency 4.4GHz, TDP 15W) Intel® Core™ i5-1235U (10 core 12 threads, turbo frequency 4.4 GHz,TDP 15W) Intel® Core™ i7-1255U (10 core 12 threads, turbo frequency 4.7 GHz,TDP 15W)
Memory	2 × DDR4 3200MHz SODIMM, Max. 64 GB
BIOS	AMI EFI BIOS
Display Chip	Intel® Iris® Xe Graphics
Display Port	1 × HDMI 1 × DP Support synchronous/asynchronous 2 display DP interface resolution up to 4096 × 2160@60Hz)
Storage	1 × M.2 2280 1 × 2.5-inch HDD/SSD
Expansion	1 × M.2 2280 M-key (only support NVME protocol) 1 × M.2 3052 B-key (USB 3.0 signal, support 4G/5G), external SIM Card Slot 1 × M.2 2230 E-key (support WiFi6, Bluetooth 5.0)
OS Support	Windows 10, Windows 11, Linux, iKuai, pfSense
Front I/O	1 × Power Button 1 × Restart 3 × USB 3.1 3 × USB 2.0 1 × RJ45 COM Port (support console)
Rear I/O	1 × DC-In 6 × RJ45 LAN Ports 1 × DP (1.4a) 1 × HDMI (2.1)
Ethernet	6 × Intel i225-v 2.5G LAN Ports, Lan 1-4 optional 802.3af standard POE function
Power	DC 12V
Other Function	Auto power on when there is electricity, Timing boot, Wake on LAN, PXE boot, Watchdog (0~255 level)
Application	Firewall, VPN, Network Server, Network Security, Router etc.
ENVIRONMENT	
Operating Temperature	0°C ~ 50°C (Commercial HDD), -20°C ~ 50°C (Industrial SSD), surface air flow
Relative Humidity	0% ~ 95% (non-condensing)
Certification	CE, CCC, FCC Class A, RoHS
MECHANISM	
Dimension	186 × 126.5 × 66 mm
Net Weight	1.3 kg



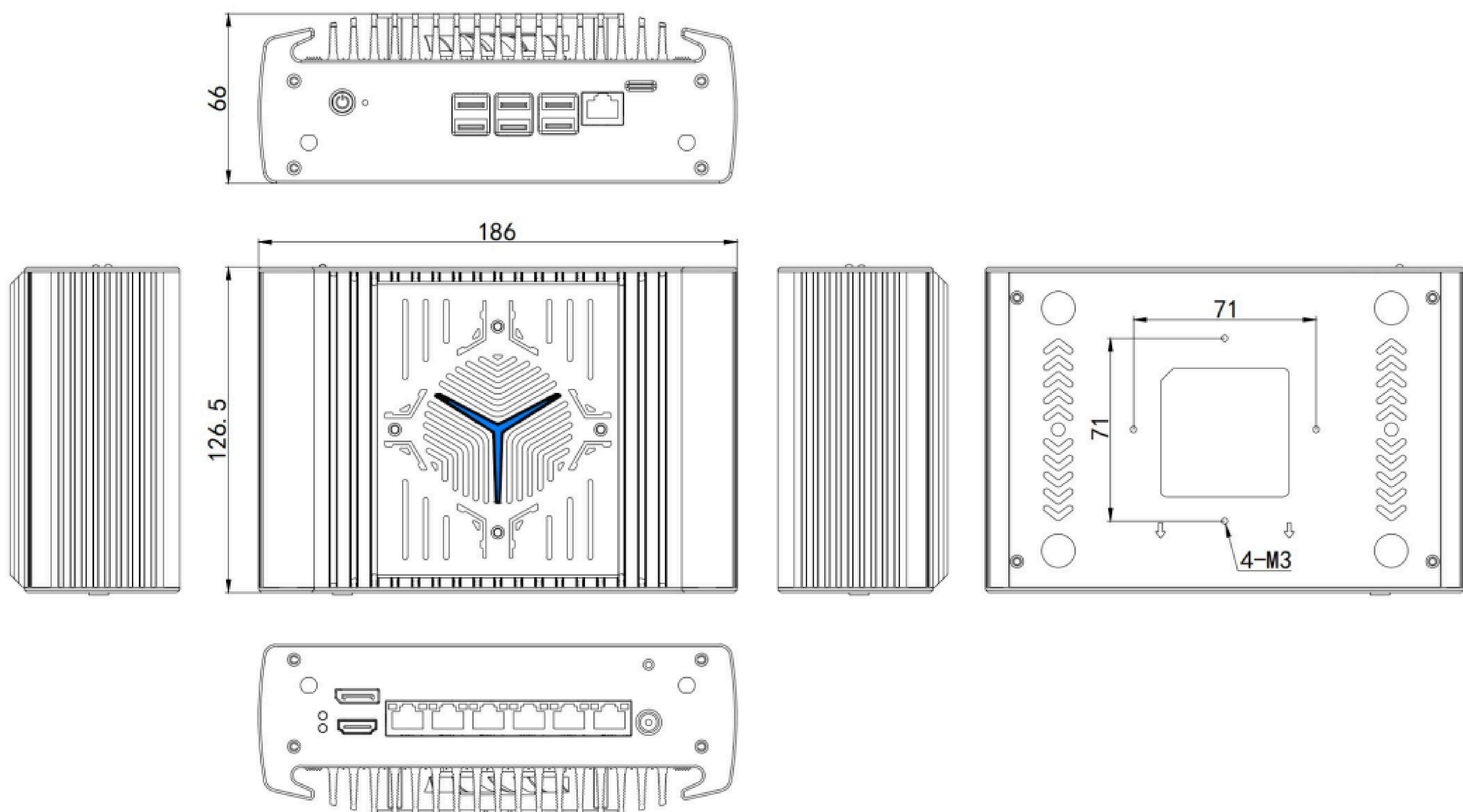
Front View



Rear View

## DIMENSION

unit:mm



## ORDER INFORMATION

Nano N3161	CPU	Specification
Configuration 1	Intel® Core™ i3-1215U	Standard I/O, 2.5G LAN Port
Configuration 2	Intel® Core™ i5-1235U	Standard I/O, 2.5G LAN Port
Configuration 3	Intel® Core™ i7-1255U	Standard I/O, 2.5G LAN Port

Remarks:

1. Since the 5G module requires four antennas, 2 WIFI holes on the panel need to be added to use WIFI and 5G at the same time;
2. The POE function needs to be equipped with a POE power supply module; please consult the pre-sales technical personnel for details.

## ACCESSORY

Part Name	Quantity	Specification
Power Adapter	1	12V 7.5A
Power Cord	1	CN, US, UK, EU etc.
VESA Bracket	1	Standard