

Nano-N3161

12th Gen Intel® Core™ Processor - **Network Security**



FEATURES

- Fanless Aluminum Design
- 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 synchronous / asynchronous
2 display, 4K full HD

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 Max. Resolution 4096x2160@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 can be 802.3af standard POE LAN (option)	
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℃ ~ 50℃ (Commercial HDD), -20℃ ~ 50℃ (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	



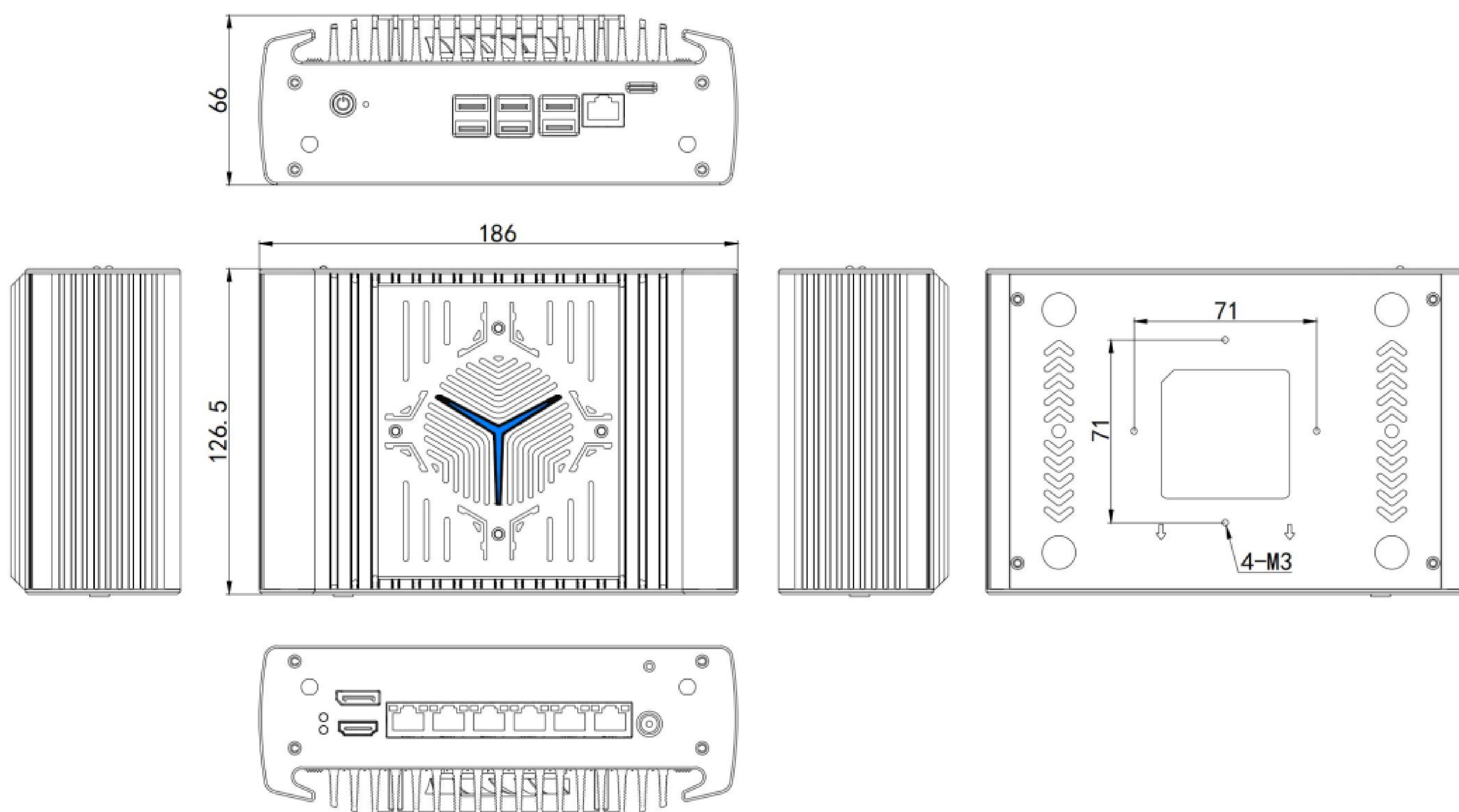
Front View



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

ACCESSORY

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