

IFC-BOX-NS51

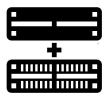
Intel® 12th Gen Core™ processor



Features:



All-aluminum alloy structure, fanless cooling design



3x M.2 slots (support SSD + WIFI + 4G/5G at the same time)



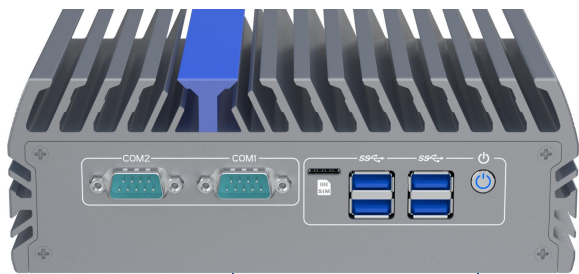
3x HDMI, synchronous/asynchronous triple display



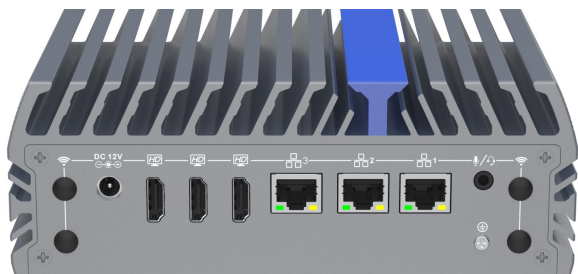
3x Intel i226-V Gigabit LAN



2x COM (RS232/485 optional)

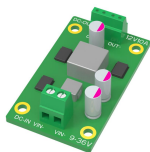


COM*2 SIM USB3.1x4 POWER

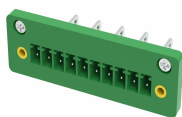


DC HDMI*3 LAN* AUDIO

Optional extensions



9 ~ 36V
Wide voltage power module



GPIO
(4 pin GPIO)



4G module



5G module



WIFI/BT module



USB2.0

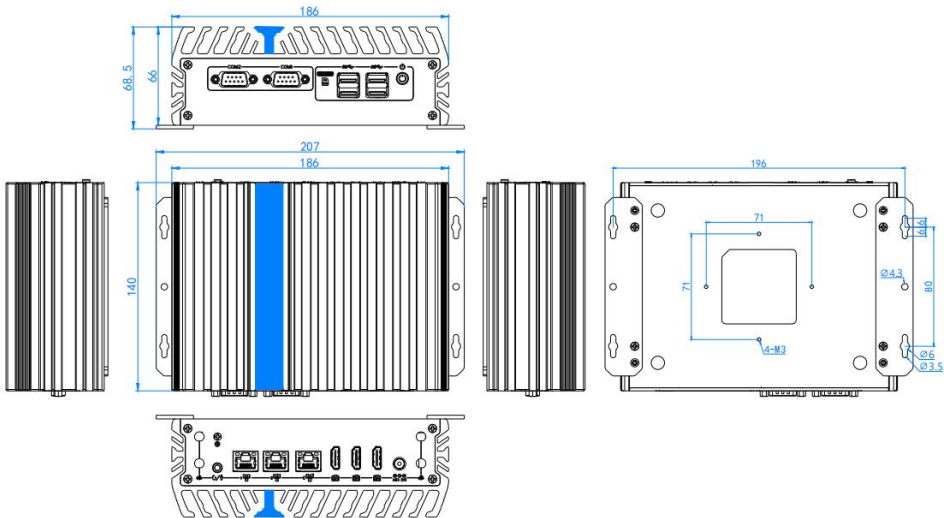
Specification

Parameter	
Processor	Intel Core i3 1215U (6 cores 8 threads, Turbo 4.4 GHz)
	Intel Core i5 1235U (10 cores12 threads, Turbo 4.4 GHz)
	Intel Core i7 1255U (10 cores 12 threads, Turbo 4.7
Chipset	Alder Lake
Memory	1xDDR5 4800 SODIMM, max 32 GB
Graphics Card	
Graphics	Intel(R) UHD Graphics
Display	3xHDMI, synchronous/asynchronous triple display, (Resolution 4096x2160@ 60Hz)
Network	
Lan Port	3xIntel i226-V 100/1000/2500M LAN
I/O	
USB	4xUSB3.1
COM	2xCOM(RS232/485 optional)
Audio	1xLine-out / Mic Two-in-one
Power Supply	
Power supply	1x DC(5.5*2.5mm), support 12V input

Storage	
M.2	1xM.2 2280 M-key slot(Only support NVME)
SATA	1x2.5 inch HDD
Expansion	
WIFI	1xM.2 2230 E-key slot (support WIFI, BT)
4G/5G	1xM.2 3052 B-key slot (USB3.0 signal), External SIM card slot
Extensible	2xUSB2.0, 4xpin GPIO (Standard NOT included)
Dimension	
Size	186x140x66 mm
Weight	1.53 kg
Installation	VESA, Wall mount, DIN-rail (optional)
Environment	
Temperature	-20℃~ +50℃ , Surface air flow
Humidity	5%~95% Non-condensing state
Other Function	Power-on, Timing boot, Wake on LAN, PXE boot, watchdog (level 0-255), TPM2.0 security encryption
Application	Industrial Automation, Medical, Logistics & Transportation, Warehousing, e-education and other fields.

Drawing

Unit: mm



Order Information

Configuration	Specs
1	Intel Core i3 1215U, 3xLAN/3xDisplay/2xCOM
2	Intel Core i5 1235U, 3xLAN/3xDisplay/2xCOM
3	Intel Core i7 1255U, 3xLAN/3xDisplay/2xCOM

Packing List

Name	Quantity	Note
Power adapter	1	i3 & i5 12V7.5A / i7 12V10A
Power cable	1	CN, US, UK, EU, etc
VESA	1	Standard