

TM-EPC-N100

Intel® 12th Independent Core™ i3/i5/i7

Features:



All aluminum alloy structure, fanless design, Support TDP 65W



Intel® 12th Independent Core™ i3/i5/i7 Processor



2xDDR4 SODIMM Memory, Max 64 GB



1xM.2 slot + Mini PCIE slot (support both M.2 SSD+WIFI/4G at the same time)



Multi-LAN

2xRealtek RTL811H Gigabit LAN



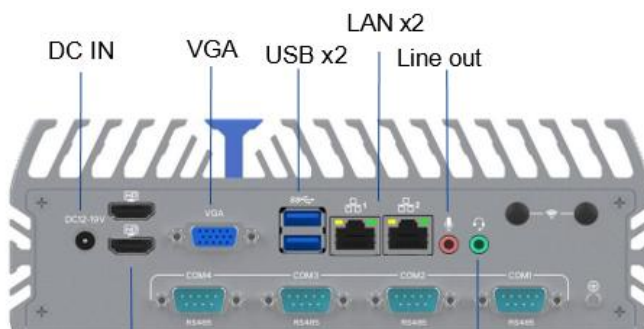
RS-485

4 x RS485 COM



POWER

USB x4



DC IN

VGA

USB x2

LAN x2

Line out

HDMI x2

COM x4

MIC

Optional extensions



4G



WIFI/BT Module



CAN



COM



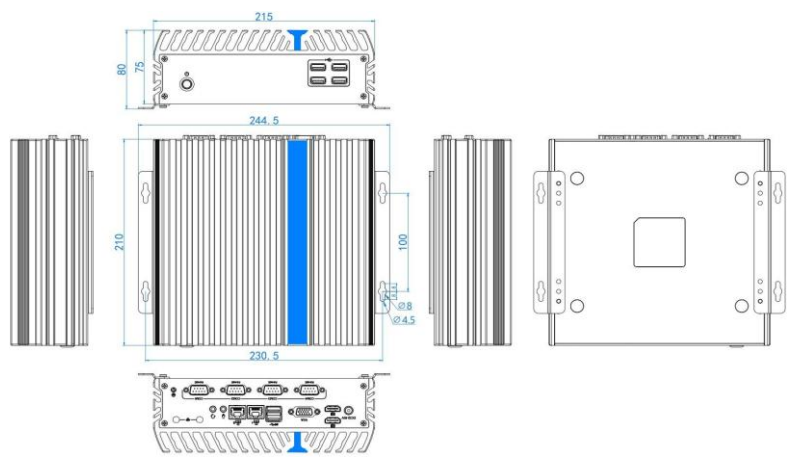
GPIO

Specification

Parameter	
Processor	Intel Core i3-12100T (4 core 8 threads, Max 4.2GHz)
	Intel Core i5-12400T(6 core 12 threads, Max 4.4 GHz)
	Intel Core i7-12700T(12 cores 20threads,Max4.7GHz)
Chipset	H610
Memory	2xDDR4 3200MHz SODIMM slot, Max 64 GB
Graphics Card	
Graphics	Intel® UHD Graphics 730/770 (Triple display 3)
Display	2 x HDMI Port (Resolution 3840x2160 @60Hz)
	1 x VGA (Resolution 1920x1080 @60Hz)
Ethernet	
Lan Port	2xRealtek RTL8111H Gigabit LAN
I/O	
USB	2x USB3.0, 4x USB2.0
COM	4x RS485 COM
Audio	1x Line out, 1xMIC
Power Supply	
Power Supply	1xDC Input(5.5x2.5mm), support 12V~19V

Storage	
M.2	1xM.2 2280 M-key slot (support PCIE3.0x4 NVME)
SATA	1x2.5 inch HDD
Graphics Card	
Mini PCIE	1xfull-length Mini PCIE slot (support PCIE & USB2.0 signal, Optional 4G/WIFI/BT), internal Nano-SIM card slot
Dimension	
Size	215*210*75 mm
Weight	3.27 kg (barebone)
Installation	Wall-mounted (standard included), desktop (default support)
Environment	
Temperature	-20°C~+60°C, 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 etc.

Drawing



Order Information

Configuration	Specs
1	Intel Core i3-12100T, 2 x LAN/4 x COM/6 x USB
2	Intel Core i5-12400T, 2 x LAN/4 x COM/6 x USB
3	Intel Core i7-12700T, 2 x LAN/4 x COM/6 x USB

Packing list

Name	Quantity	Note
Power adapter	1	Optional 12V 10A
Power Cable	1	CN, US, UK, EU, etc.
Wall mount	1	Standard