



Features

- Intel Atom® x7000E Series, Processor N-series,
- Onboard LPDDR5 Memory up to 16GB
- Onboard eMMC Storage up to 64GB
- 2.5GbE x 2 (Intel® I226-IT)
- USB 3.2 x 3 (Type A x 2, Type C x 1)
- DP 1.2 x 1/DP 1.4a x 1/HDMI 2.0b x 1
- RS232/422/485 Wafer x 2
- M.2 2230 E-Key/M.2 2280 M-Key/M.2 3052 B-Key x 1
- TPM 2.0

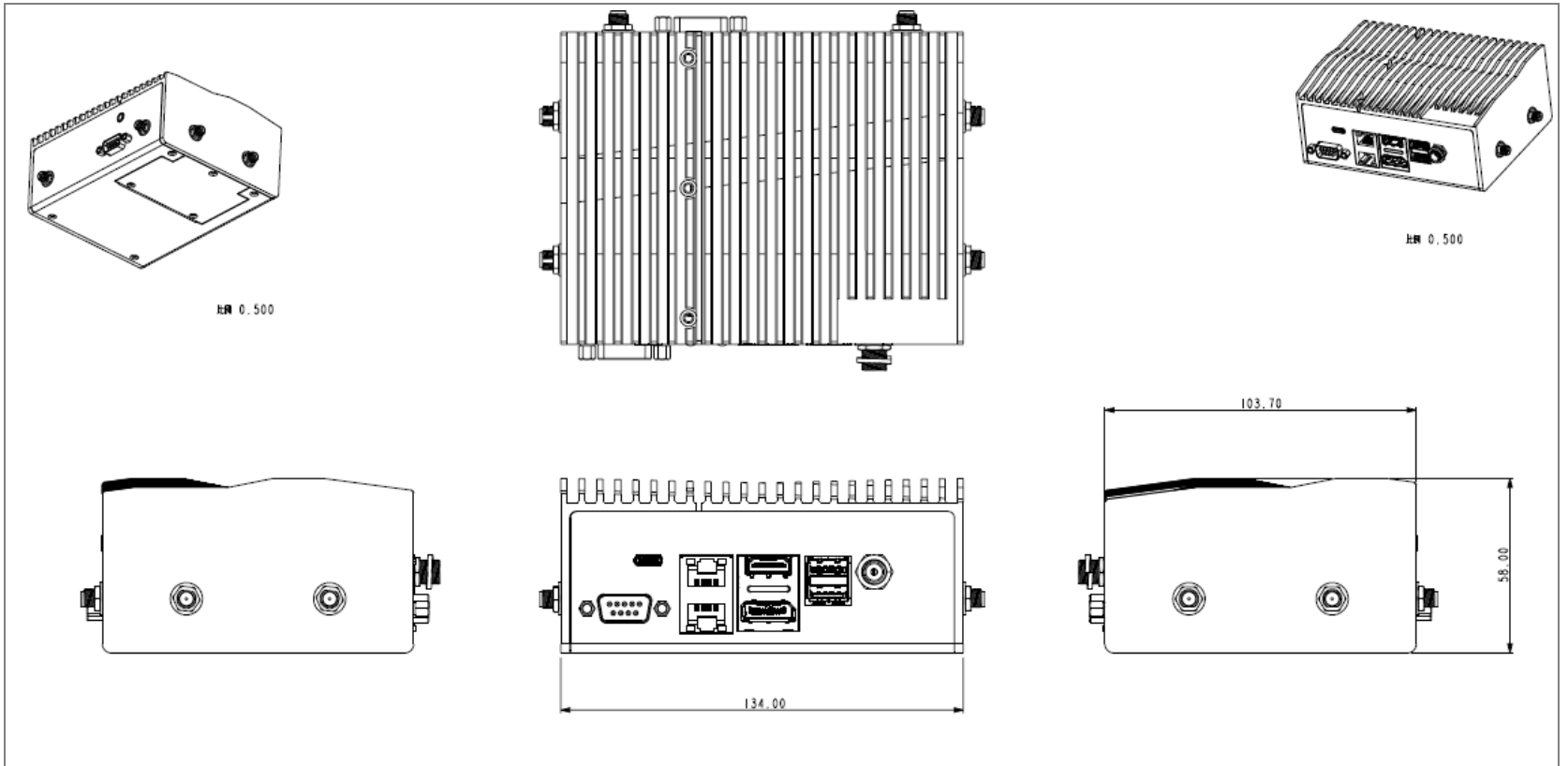
Specifications

System	
CPU/GPU	12th Gen Intel Processor N97, 12W
Memory	On board LPDDR5 4GB
Storage	A1:On board 32GB
Real time clock	Yes
Indicators	Power LED
Wireless	Wi-Fi, 4G/5G
Operating System	Windows 10 IoT Enterprise / Ubuntu 22.04 LTS / Yocto 4.0
Power Supply	
Power Requirement	DC 12Vdc
Environmental and Mechanical	
Dimension	134 x 103 x 58mm
Weight	-
Operating Temperature	0°C to 60°C
Storage Temperature	-40°C to 80°C (-40°F to 176°F)
Operating Humidity	5~90% (non-condensing)
Certification	
Regulations	CE, FCC

Interface	
Serial Port	2 x RS-232/RS485/RS422 DB9
Ethernet	2 x Intel I226IT 2.5GbE RJ45
USB	2 x USB3.2 Gen2 + USB2.0 Type-A 1 x USB Type-C
Display	1 x HDMI 2.0b 1 x DP 1.2 1 x DP 1.4a via USB Type-C
Power Connector	12V DC Jack
Expansion Slot	1 x M.2 Key-B Socket (3052) with USB3.2 Gen2 only + SIM for 4G/5G 1 x M.2 Key-E Socket (2230) with PCIe X1 + USB2.0 for Wi-Fi & BT 1 x SIM Socket for 4G/5G Module
Other Interface	

Dimension

Unit: mm / inch



Ordering Information

Part Number	Packing List
IES-2031	Intel N97I+ 4GB LPDDR5 .2LAN.2COM.4USB.32G eMMC.

Optional Accessories

Part Number / Item			
Power Adaptor	Power Adapter.12V.+ power cord x 1		
Wi-Fi 6E Module	Intel Wi-Fi 6E AX210NGW + 2 x Antenna + Cables x 1		