AEC-6202

Super Router Waterproof Box PC



Features

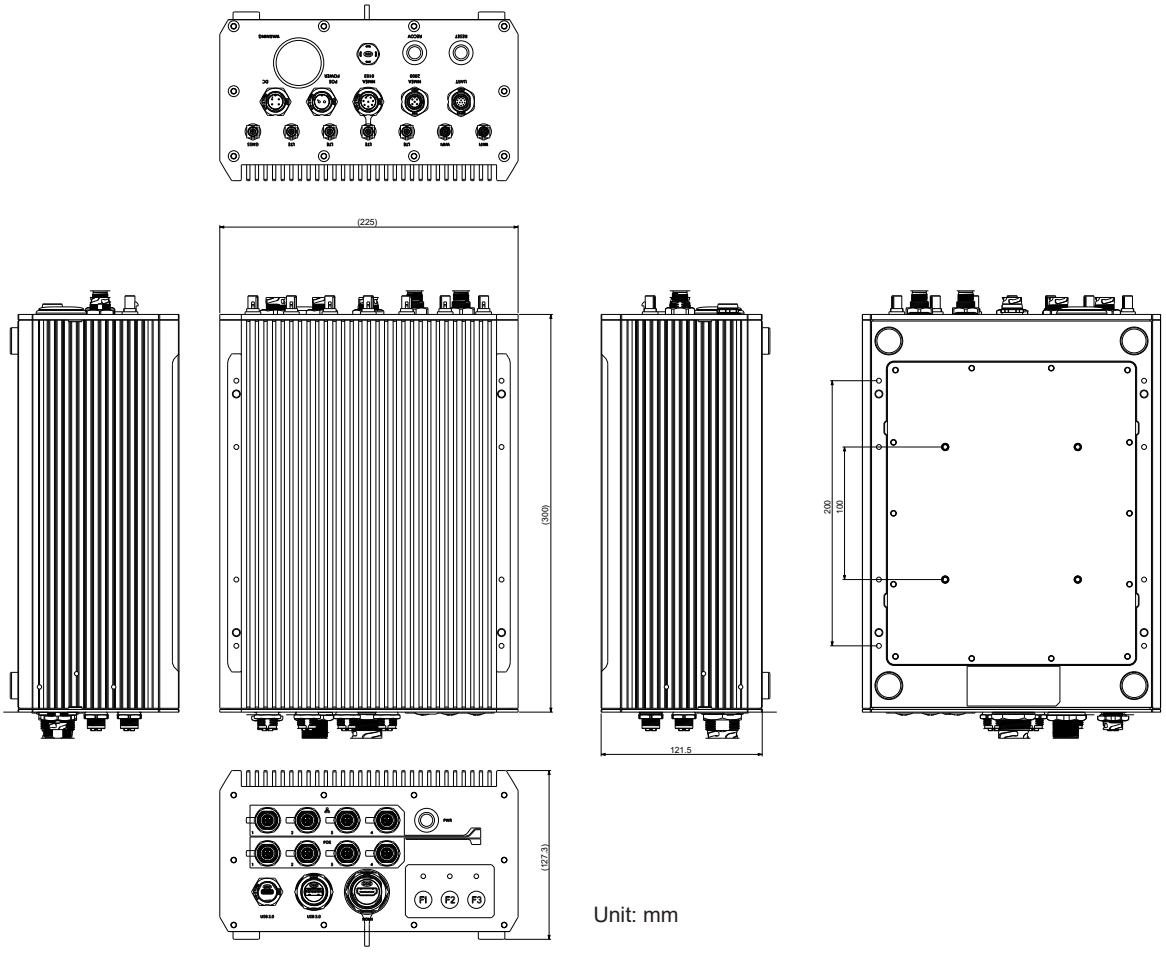
- 4 x PoE with GbE LAN port, 4 x GbE LAN port
- 1 x NMEA 0183, 1 x NMEA 2000
- Control Panel support ISP
- Support 24-60V DC-in
- LTE/5G support: 2 x Nano SIM
- Support IP67

Embedded Computing

System	
CPU	12-core Arm® Cortex®-A78AE v8.2 64-bit CPU 3MB L2 + 6MB L3
Memory	Onboard LPDDR5 64GB
GPU	2048-core NVIDIA Ampere architecture GPU with 64 Tensor Cores
Storage	1 x M.2 M-Key 2280, PCIe Gen4 x4 for storage
TPM	Support TPM2.0
I/O	
USB Port	1 x USB 3.0 Type-A 1 x USB Type-C (for recovery) EAL-SE module-SPI: 1 x Internal USB, preinstalled USB token (Option)
Ethernet	4 x GbE Ethernet LAN
Ethernet (PoE)	1 x GbE Ethernet LAN with PoE BT, type 4, 90W 3 x GbE Ethernet LAN with PoE AF, type 1, 15W
Expansion	1 x 2230 M.2 E-Key (Signal: PCIe x1 +USB 2.0) for Wi-Fi+BLE 1 x 3042/3052 M.2 B-Key (Signal: USB 3.0 + USB 2.0) for 4G/5G Nano SIM x 2
Video Port	1 x HDMI 2.0, up to 3840 x 2160 4K 30Hz
UART	4 x UART Isolated 3.3V TTL, RX, TX, GND (into one M12 connector)
NMEA	1 x NMEA 0183 for RS422 1 x NMEA 2000 for CAN BUS

Environmental	
Operating Temp.	0 ~ 40°C (32 ~ 104°F)
Storage Temp.	-40 ~ 70°C (-40 ~ 158°F)
Operating Humidity	20 ~ 85% RH (non-condensing)
Power Requirement	
Power Input	DC 24V ~ 60V input
Mechanical	
Screen Panel	3 x LED indicator: Green, Red, Blue 3 x button: Control Panel support ISP (In-System Programming)
Press Button	1 x Power-on button (front side) 1 x Reset button (rear side) 1 x Recovery button (rear side)
Buzzer	1 x Waterproof External Buzzer
Mounting	Support Wall Mount
Waterproof	IP67
Weight	8.6 kg
Dimensions (W x D x H)	225 mm x 350.1 mm x 127 mm (with rubber feet)
OS Support	
Linux Ubuntu / NVIDIA JetPack SDK	

Dimensions



Unit: mm

Block Diagram

