



Features

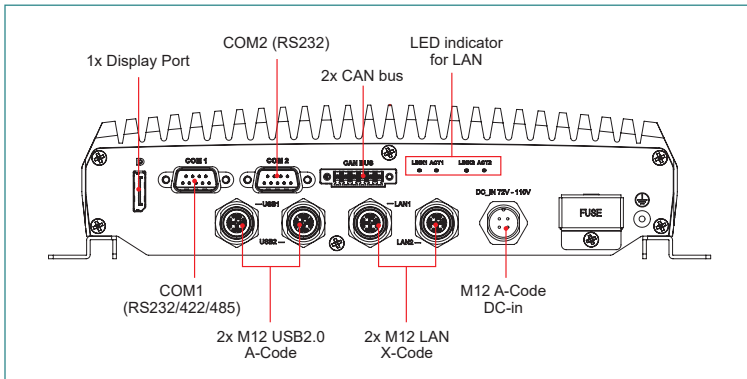
- EN50155 (2021) / EN45545-2 certified
- Robust M12 connectors for dual GbE, USB and power input
- Onboard isolated CAN 2.0A / 2.0B / CAN-FD
- Dual SIM sockets support WWAN redundancy
- Removable 2.5" device bay for SSD storage
- Ignition power control
- Wide-range voltage GPIO interface
- 1x USB Type-C Alternate mode with PD 60W

Specifications

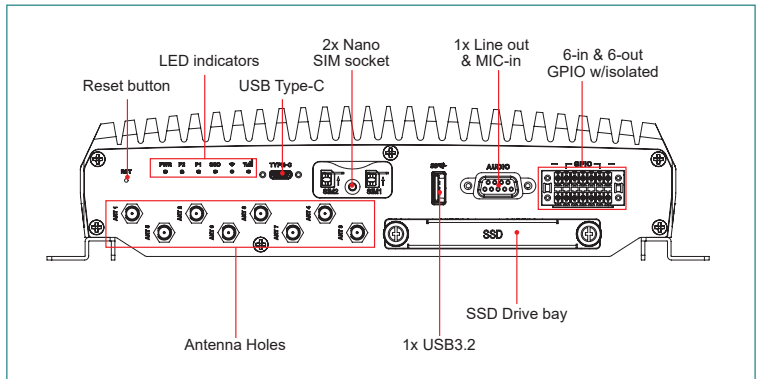
System Mainboard	MBT-3111
CPU Type	Intel® Atom® x7433RE Processor
Processor Speed	Up to 2.7GHz
Memory	1x DDR5-4800 SO-DIMM socket Up to 16GB
Front Panel External I/O	1x USB3.2 Gen2 Type-A connector 2x external accessible SIM socket 1x USB TYPE-C connector with screw-lock 1x Removable 2.5" SSD device bay 1x DB9 female connector for Line-out & MIC-in 1x 14-pin terminal block 6-in & 6-out digital I/O with 24V input and output 1x reset button 6x light-pipe for status LED Indicators 8x Antenna holes
Rear Panel External I/O	2x M12 X-code 8P female for 2.5 GbE LAN1/LAN2 1x M12 4 pins A-code male for power input 2x M12 8 pins A-code female for 2x USB2.0 1x DisplayPort, 1x VGA connector (Option) 1x Terminal block DIP 6 pins for 2 x Can FD master 2x DB9M for COM#1 (RS232/422/485) / COM#2 (RS232 only) 1x M3 with washer screw hole for grounding connection 4x light-pipe for LAN status LED Indicators
Expansion slots	1x M.2 2230 E-Key socket for WLAN & BT connection (PCI-E + USB2.0 + SMBus) 1x M.2 3042/52 B-Key socket for WWAN (4G/5G) connection (USB3.2 Gen.1) 1x M.2 2280 M-Key socket for SSD device (SATA III) 1x Mini PCI-E full-sized socket for MVB & add-on card (PCI-E + USB2.0 + SMBus) 1x Mini PCIe half-sized socket for GPS module (USB2.0 only)

Storage	1x M.2 2280 M-Key socket for SSD (SATA III) 1x 2.5" removable device bay for SSD
Power Supply	DC-input 24V ~ 110V
Construction	Aluminum
Chassis Color	Black
Mounting	wall mount
Dimensions	250 (W) x 150 (D) x 55 (H) mm 9.84" (W) x 5.9" (D) x 2.16" (H)
Operating Temperature	-40°C ~ 70°C (-40°F ~ 158°F) (w/ industrial-grade SSD)
Storage Temperature	-40°C ~ 85°C (-40°F ~ 185°F)
Relative Humidity	10 ~ 95% RH @45°C (non-condensing)
Vibration	Function: 1 m/s ² , 5Hz~150 Hz (EN 61373) Lifetime: 7.9 m/s ² , 5Hz~150 Hz (EN 61373)
Shock	50 m/s ² , 30 msec (EN 61373)
Certified	EN 50155:2021, EN 45545 -2 H1/2/3 2020 CE (EN 62368-1 / EN55032 / EN55035), FCC Class-A

Rear External I/O

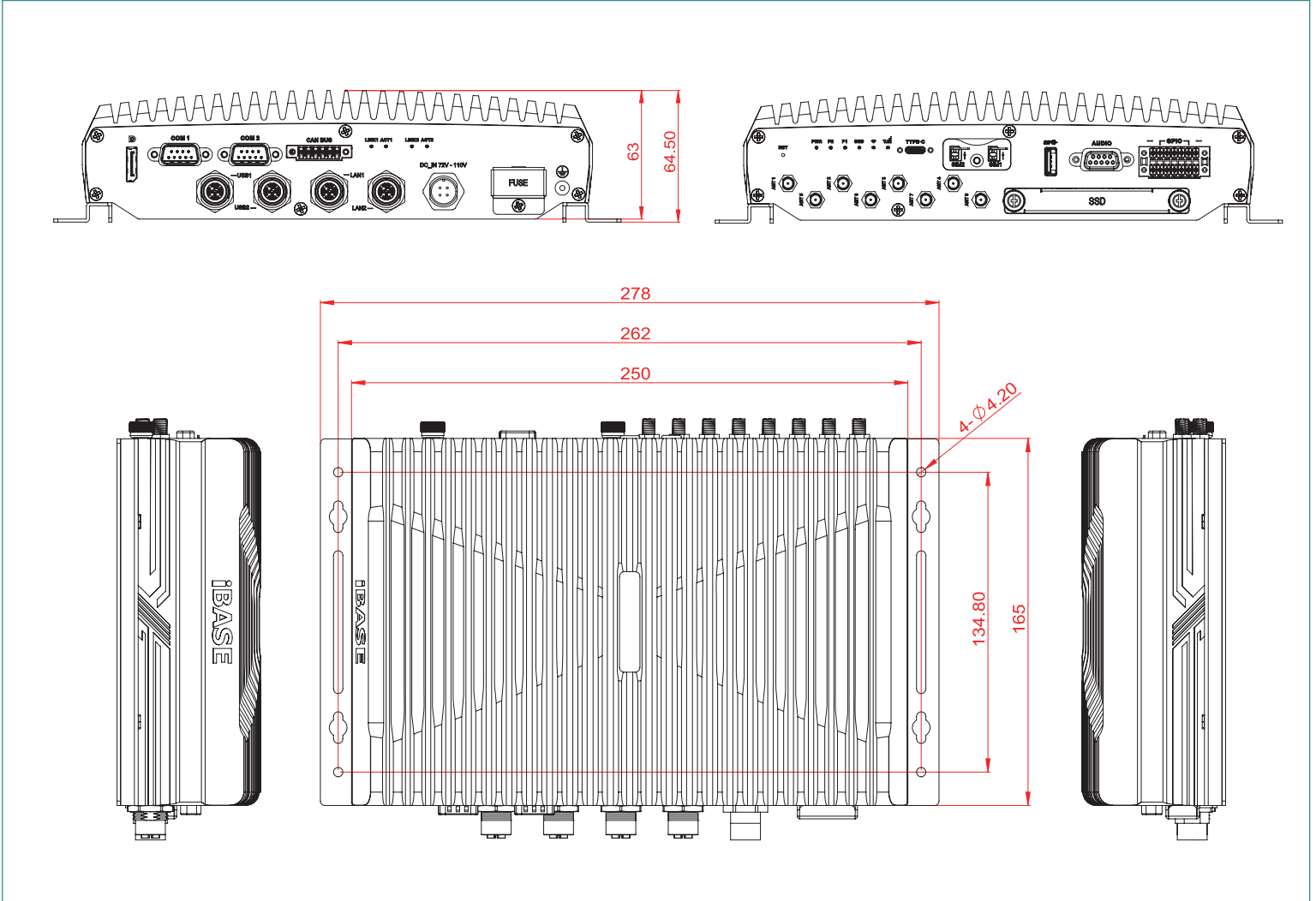


Front External I/O



MPT-3110R

Dimensions



Ordering Information

Part Number	Model Name	CPU	RAM	Storage	Display	LAN M12 X-Coded	USB M12 A-Coded	USB 3.2	COM Ports	M.2 or Mini PCI-E	Power Input
-	MPT-3110R	Atom® x7433RE	8GB	N/A	1x DP 1x USB-C 1x VGA	2	2	1	2	5	24V
-	MPT-3110RH										48V/72V/110V

Packing List

Part Number	Description	Qty.
-	MPT-3110R	1
D2MANUAL-0000100P	Manual @ Driver download instruction	1
H06MTMPT3110R000AP	Wall mount bracket	2
C1216022107103000P	GPIO Matching Connector (7 pins)	2
C1216ECH306103100P	CAN bus Matching Connector (6 pins)	1
H032GM15250010000P	Screw for SSD (if not pre-installed)	4
H0230561B710BN000P	Screw for wall mount	4

Optional Items

Part Number	Description
C501PW39904121000P	Power cable: M12 A-Code to bare wired
C501LAN8208A32000P	LAN cable: M12 X-Code to RJ45 CAT-6 (up to 2.5GbE)
C501LAN6300A32000P	LAN cable: M12 X-Code to RJ45 CAT-5 (up to 1.0GbE)
C501USB1320A32000P	USB cable: M12 A-code to USB Type-A
-	Audio cable: DB9M to 3.5mm Audio jack for Line-out & MIC-in