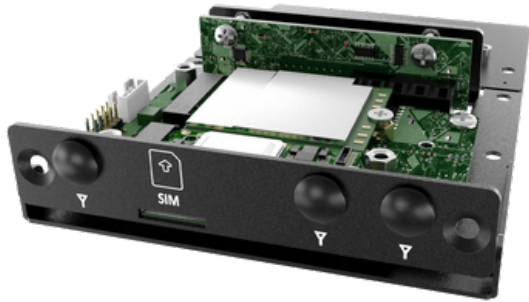


Features

EDGEBoost I/O module supporting Dual M.2 B-Key modules for Edge AI, NVMe storage, and even 5G wireless connectivity

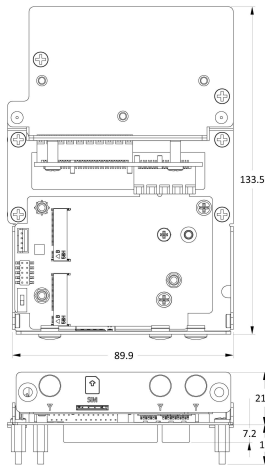
- Support 5G/AI/NVMe Module
- 2x M.2 B-Key 2242/3042/3052
- PCIe x1 Gold Fingers Interface (PCIe 3.0 x4 Performance)
- 1x Mini SIM Slot (on-board)
- Occupies 1x EDGEBoost Bracket
- 1x Dedicated Heatblock
- 3x Antenna Holes



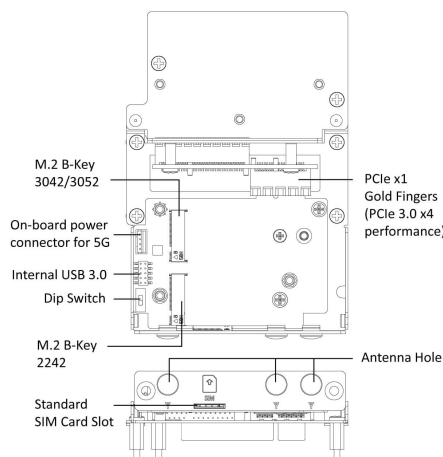
Specifications

Interface	PCIe x1 gold finger (PCIe 3.0 x4 performance)
SIM Sockets	1x Mini SIM Slot (25mm x 15mm)
M.2 Expansion	<ul style="list-style-type: none"> • 1x M.2 B-Key, 2242 for AI/NVMe Module • 1x M.2 B-Key, 3042/3052 for 5G/AI/NVMe Module
I/O Bracket	Occupies 1x EDGEBoost Bracket
Special Features	1x Dip Switch for Switching into 2 configurations: <ul style="list-style-type: none"> • 1. 2x PCIe x2, Support AI Module/NVMe Storage • 2. 1x PCIe x2, Support AI Module/NVMe Storage & 1x PCIe1 & USB 3.2 Gen1, Support 4G/5G
Standards and Certifications	CE, FCC Class A

Dimension (Unit: mm)



External I/O Mechanical Layout



PIN ASSIGNMENT

PIN ASSIGNMENT



Pin	Signal	Pin	Signal
1	USB_SS_TX_M	2	USB_VCC
3	USB_SS_TX_P	4	USB_DM
5	GND	6	USB_DP
7	USB_SS_RX_M	8	GND
9	USB_SS_RX_P		



Pin	Signal
1	+VSS
2	GND
3	GND
4	+V12S



SW1	CN1 Mode
ON	USB3
OFF	PCIe

* All specifications and photos are subject to change without notice.