PROPRIETARY MODULE

EBIO-2M2BK

EDGEBoost I/O Module with 2x M.2 B-Key

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	• 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: • 1. 2x PCIe x2, Support AI Module/NVMe Storage • 2. 1x PCIe x2, Support AI Module/NVMe Storage & 1x PCIex1 & USB 3.2 Gen1, Support 4G/5G
Standards and Certifications	CE, FCC Class A

Compatible Products

- RCO-6000-RPL Industrial Computer W/ LGA 1700 For Intel 12/13th Gen CPU & R680E PCH
- RCO-6000-CML AI Edge Inference Computer with 10th Gen Intel® Core™ Processor
- ACO-6000-CML In-Vehicle Computer with 10th Gen Intel® Core™ Processor
- RCO-6000-CFL AI Edge Inference Computer with 9th Gen Intel® Core™ Processor
- RCO-3000-CML Small Form Factor Computer with 10th Gen Intel® Core™ Processor
- RCO-3000-CFL Small Form Factor Computer with 9th Gen Intel® Core™ Processor
- RCO-3000-RPL Small Form Factor Computer with LGA 1700 for 12/13/14th Gen Intel CPU & Q670E PCH, 2x LAN

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

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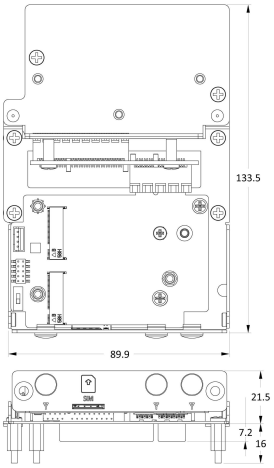
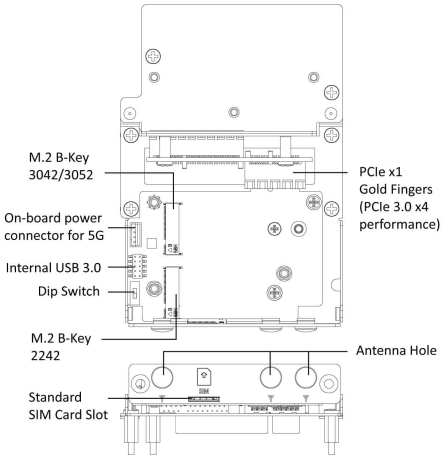
Dimension (Unit: mm)

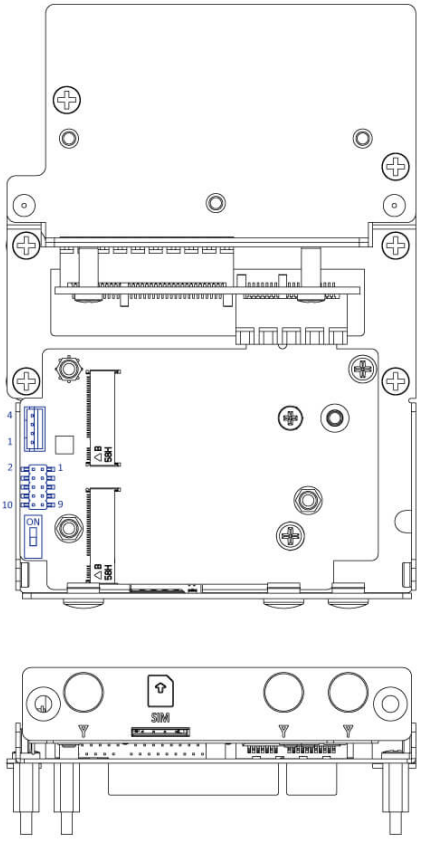


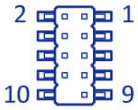
External I/O Mechanical Layout



PIN ASSIGNMENT

External I/O Mechanical Layout





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	+V5S
2	GND
3	GND
4	+V12S

SW1	CN1 Mode
ON	USB3
OFF	PCIE

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