



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

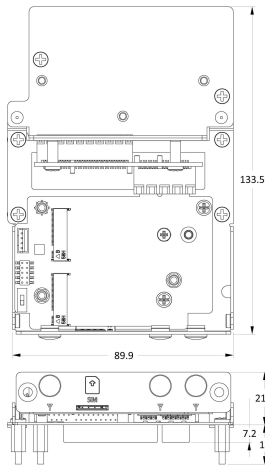
- Support 5G/AI/NVMe Module
- 2x M.2 B-Key 2242/3042/3052
- PCIe x1 Gold Fingers Interface (PCIe 3.0 x4 Performance)
- 1x Mini SIM Slot (on-board)
- Occupies 1x EDGEBoost Bracket
- 1x Dedicated Heatblock
- 3x Antenna Holes



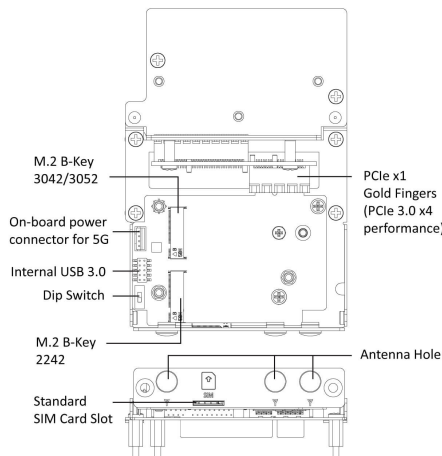
Specifications

Interface	PCIe x1 gold finger (PCIe 3.0 x4 performance)
SIM Sockets	1x Mini SIM Slot (25mm x 15mm)
M.2 Expansion	<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)

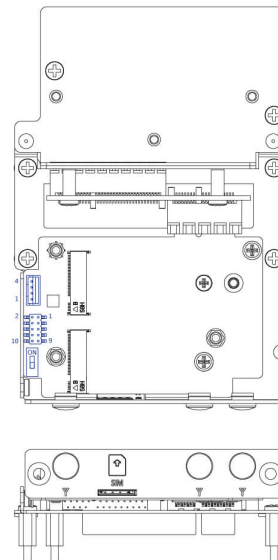


External I/O Mechanical Layout



PIN ASSIGNMENT

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	+VSS
2	GND
3	GND
4	+V12S



SW1	CN1 Mode
ON	USB3
OFF	PCIE

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



RCO-6000-RPL Industrial Computer W/ LGA 1700 For Intel 12/13th Gen CPU & R680E PCH

RCO-6000-RPL Series - Unleash the potential of the 13th Gen Intel® Processor, complemented by scalable AI accelerators for superior edge intelligence. This workstation-grade, fanless computer harnesses cutting-edge technologies, including DDR5, PCIe Gen 4, GPU accelerators, and NVMe storage for rapid performance.

- 13th Gen Intel® Core® Processor (35W TDP)
- Up to 64GB DDR5 (ECC & Non-ECC)
- 2x EDGEBoost I/O Brackets
- 1x M.2 E-Key
- 2x SATA SSD Bays (1x Hot-swappable)
- PCIe Gen 4.0 EDGEBoost Node Compatible (NVMe Storage, GPU Support, & PCI/PCIe Expansion)
- UL Listed, CE, FCC Class A Certified

[See Product](#)



RCO-6000-CML AI Edge Inference Computer with 10th Gen Intel® Core™ Processor

The RCO-6000-CML series is a flagship high-performance industrial computer purpose-built to process data-heavy workloads in real-time. When paired with an EDGEBoost Node, blazing-fast NVMe storage and Edge AI accelerators are unlocked for streamlined AI inferencing and machine learning.

- 10th Gen Intel® Core/Xeon Processor
- Max. 64GB DDR RAM (ECC & Non-ECC)
- 4x SATA SSD Bay (2x External Hot-Swappable, 2x Internal)
- On-board M.2 E-Key
- Compatible with EDGEBoost Nodes (Dedicated GPU and/or U.2 NVMe Storage)
- 2x EDGEBoost Bracket

[See Product](#)



ACO-6000-CML In-Vehicle Computer with 10th Gen Intel® Core™ Processor

The ACO-6000-CML series is a flagship high-performance in-vehicle computer that meets railway and automotive certifications (EN50155 & E-Mark). This industrial computer delivers exceptional connectivity by supporting up to 16 IoT devices for enhanced intelligent transportation.

- 10th Gen Intel® Core/Xeon Processor
- Max. 64GB DDR RAM (ECC & Non-ECC)
- 4x SATA SSD Bay (2x External Hot-Swappable, 2x Internal)
- Up to 16x IoT Ports
- EN50155 & E-Mark Certifications
- 2x EDGEBoost Bracket

[See Product](#)



RCO-6000-CFL AI Edge Inference Computer with 9th Gen Intel® Core™ Processor

The RCO-6000-CFL series utilizes a split-architecture to consolidate resource-intensive AI workloads in real-time while providing power and connectivity to IoT devices.

- 9th Gen Intel® Core™ Processor
- Max. 64GB DDR4 RAM
- High-Speed I/O On-board
- 4x SATA SSD Bay (2x External Hot-Swappable, 2x Internal)
- On-board M.2 M-Key
- Compatible with EDGEBoost Nodes (Dedicated GPU and/or U.2 NVMe Storage)
- 2x EDGEBoost Bracket

[See Product](#)



RCO-3000-CML Small Form Factor Computer with 10th Gen Intel® Core™ Processor

The RCO-3000-CML series delivers high-performance in spatially restricted deployments with its socket-type design within a compact chassis. Although small, this SFF industrial computer provides plentiful IIoT-centric I/O.

- 10th Gen Intel® Core™ Processor
- Max. 64GB DDR4 RAM
- 2x SATA SSD Bay (1x External Hot-Swappable, 1x Internal)
- On-board M.2 E-Key & M.2 B-Key
- 1x EDGEBoost Bracket

[See Product](#)



RCO-3000-CFL Small Form Factor Computer with 9th Gen Intel® Core™ Processor

The RCO-3000-CFL series delivers high-performance in spatially restricted deployments with its socket-type design within a compact chassis. Although small, this SFF industrial computer provides plentiful IIoT-centric I/O.

- 9th Gen Intel® Core™ Processor
- Max. 64GB DDR4 RAM
- 2x SATA SSD Bay (1x External Hot-Swappable, 1x Internal)
- On-board M.2 E-Key
- 1x EDGEBoost Bracket

[See Product](#)