CAPTEC

cincoze™

SEM-M2B101

M.2 Expansion Module

Key Benefits

- **Flexible Expansion** with an M.2 Key B socket supporting six card form factors
- **5G/GNSS Support** enabling cellular and satellite positioning module integration
- **Dual SIM Connectivity** with two Nano SIM sockets and four antenna holes
- **Versatile Interfaces** supporting PCIe Gen 3 x2, USB 2.0 and SIM signals
- **Tool-Free Installation** with a compact single-deck, plug-and-play design



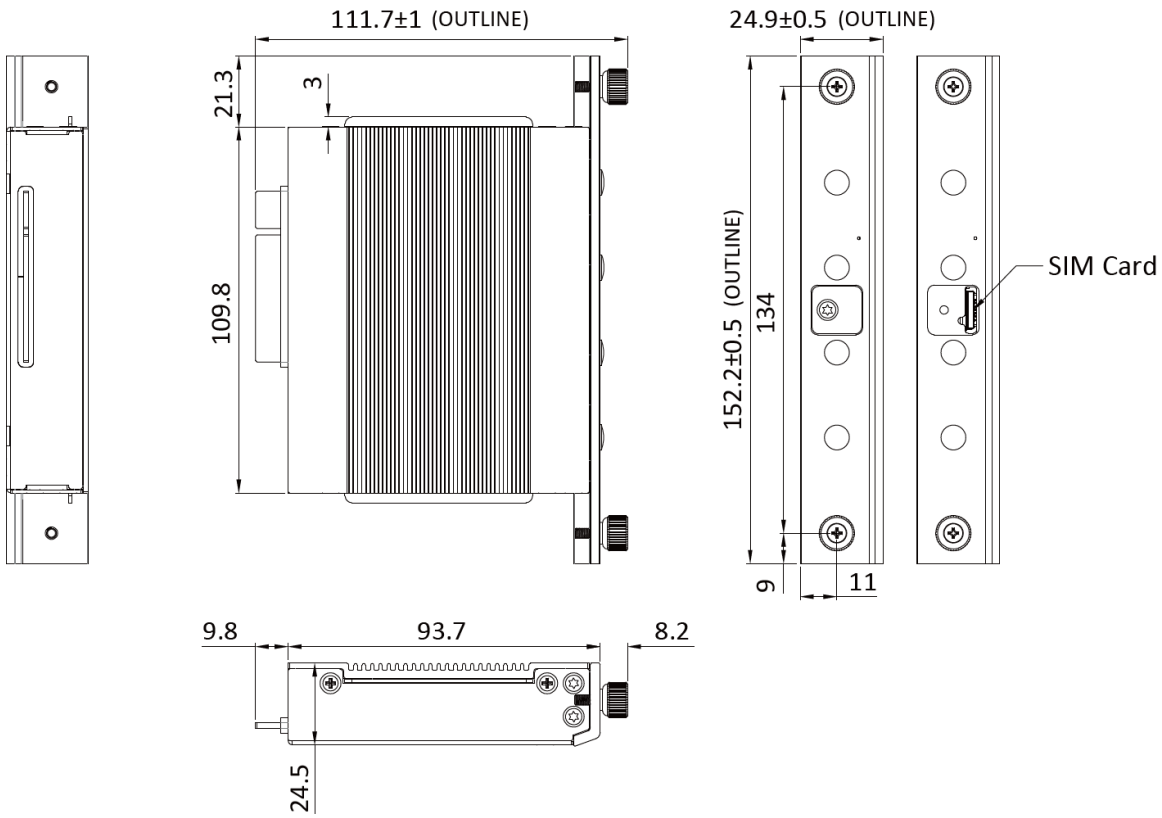
Overview

The SEM-M2B101 is a Scalable Expansion Module designed to extend the connectivity and expansion capabilities of compatible Cincoze expansion decks. Featuring an M.2 Key B socket supporting multiple card form factors, it accommodates 5G, GNSS, storage and other add-on card applications. PCIe Gen 3 x2, USB 2.0 and SIM signal support provide flexible integration, while dual Nano SIM sockets, four antenna holes and a tool-free single-deck design simplify installation in industrial systems.

Specifications

Interface	▪ 1x PCIe x4 for Expansion Deck Installation
M.2 Key B Socket	▪ 1x M.2 Key B Type 2230 / 2242 / 3042 / 3052 / 2260 / 2280 Socket
Signals	▪ Support PCIe Gen 3x2 / USB2.0 / SIM Signal for 5G / GNSS / Storage / Add-on Card Expansion
Antenna Holes	▪ 4
SIM	▪ 2x Nano SIM Socket
Add-On Card Height	▪ Max. 8mm
Dimension (W x D x H)	▪ 24.9 x 111.7 x 152.2

Dimensions



Unit: mm

Ordering Information

Available Models

Model No.	Description
SEM-M2B101-R10	Scalable Expansion Module with 2x Isolated RS-232/422/485, DB9, 1 Deck

Package Check List

- SEM-M2B101 Expansion Module x1
- Screw Pack for M.2 Add-On Card x1

Compatible List

Model No.	Description
SED-201-R10	2-Slot Scalable Expansion Deck, Supports up to 2 I/O Modules
SED-401-R10	4-Slot Scalable Expansion Deck, Supports up to 4 I/O Modules
SED-402-R10	4-Slot Scalable Expansion Deck, Supports up to 2 I/O Modules and 2 Storage Modules
SED-601-R10	6-Slot Scalable Expansion Deck, Supports up to 4 I/O Modules and 2 Storage Modules

Delivering end-to-end, like no one else.
Bring us your challenge & experience the difference.

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