UNO-MXM-CB01

UNO Carrier Stack support MXM GPU module aim for image processing and AI inference

Features

- PCIE x4 expansion kit support 35W MXM GPU
- Bundle compact Din-rail embedded PC form factor, UNO-148 series, with Intel® Core™ processors (13th/11th Gen)
- Expansion modules to accommodate MXM GPU module for powerful computing capabilities
- Support 4 independent display outputs (3 x DP, 1 x HDMI)
- Standalone heatsink and fan for GPU stable performance
- Support up to 8GB GDDR6 with ECC (depends on MXM module option)
- Industrial design with longevity support (5 years lifecycle compared to commercial GPU card 1 year)

⊖ CE FCC

Introduction

Advantech's UNO-MXM carrier stack is equipped with UNO-148 series as smallest Intel Core-I PC with Nvidia MXM GPU module support; aim for multi-tasking like storage/image operation or graphics processing.

UNO-MXM-CB01 includes PCIE x 4 expansion kit which supports 35W MXM GPU, 4 display outputs (3 x DP, 1 x HDMI), and also modular stack to upgrade flexibility.

Specifications

General

- **Certification**   CE, FCC
- **Dimension (W x D x H)** 58.5 x 140 x 200mm (2.3 in x 5.5 in x 7.8 in)
- **Weight**   2.3kg (5.07 lb)
- **Power consumption**   GPU TGP Max Power @35W

System Hardware

- **Expansion**   1 PCIE x4

I/O

- **I/O**   3 x DP 1.4, up to 4K (3840 x 2160) @ 120Hz & 1 x HDMI, up to FHD (1920 x 1080)

Environmental

- **Operation temperature** 0 ~ 55 °C
- **Storage temperature**   -40 ~ 70 °C
- **Relative humidity**   IEC60068-2-78, 95% @ 40 °C (non- condensing)

Front I/O

Ordering Informtion

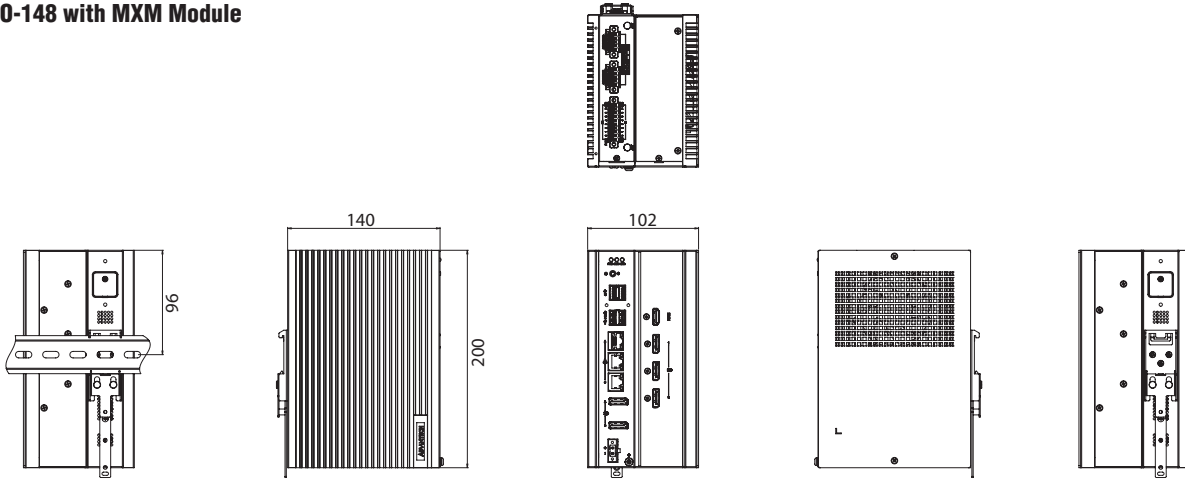- **UNO-MXM-CB01**   MXM carrier stack

Optional Accessories (GPU module)

- **SKY-MXM-A1000-4SLA** Quadro A1000 MXM 4GB Discrete mode Type A 35W (need to add 98R1X200000)
- **SKY-MXM-A2000**   TBD

ADVANTECH

All product specifications are subject to change without notice.

Dimensions

Unit: mm

UNO-148 with MXM Module

140

96

200

102

UNO-148 V2 with MXM Module

140

96

200

110