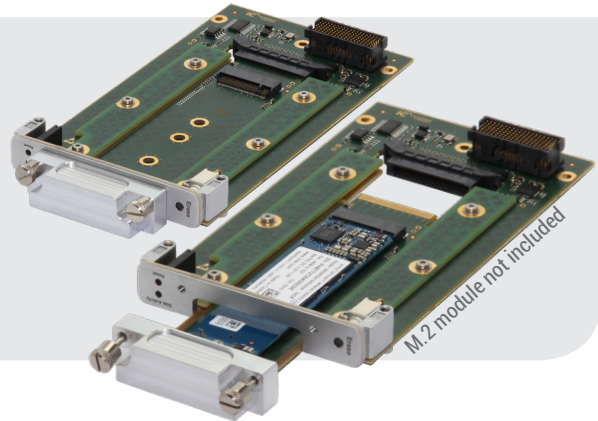


IC-EM2-XMCa

Removable mass storage XMC module

- Standard XMC mezzanine
- M.2 NVMe SSD modules support
- Socket up to 2280
- PCIe x1/x4 Gen2
- Air-cooled version only



Overview

The **IC-EM2-XMCa** is an XMC storage module dedicated to add mass storage capability to IC Single Board Computers (SBCs) based on VPX, VME and cPCI form-factors.

Description

Connected to any host board by a PCIe x1/x4 Gen2 interface, the **IC-EM2-XMCa** allows to remove, replace and upgrade mass storage units. It increases data transfer rates in high-performance embedded systems.

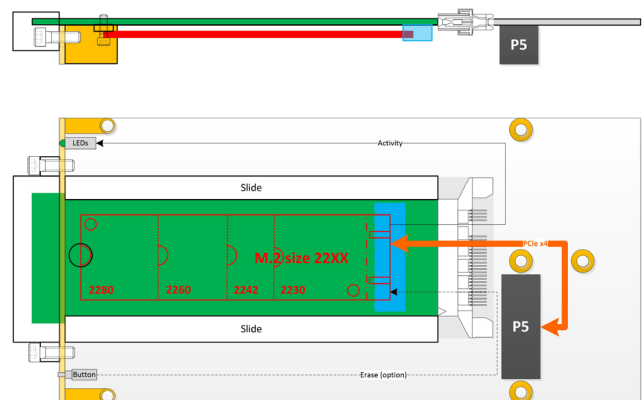
The **IC-EM2-XMCa** is an XMC storage solution that allows the hard drive mounted on a carrier, such as a SBC, to be simply and easily removed through the front panel by unfastening two screws.

The **IC-EM2-XMCa** can accommodate the latest NVME eSSD from 2230 to the 2280 form factor (2230, 2242, 2260, 2280).

The board is designed and qualified to run in air-cooled environment grades according to Interface Concept grades.

The **IC-EM2-XMCa** can be used in any compute-intensive industrial, military or aerospace applications.

Block Diagram



Specifications

- Physical dimensions
- XMC Module single width,
- Compliant with IEEE 1386 and VITA 42 standards
- Power requirements
- Max 6W

IC-EM2-XMCa

Removable mass storage XMC module

Grades

Criterion	Coating	Operation Temperature	Rec. Airflow	Oper. HR% no cond.	Storage Temperature	Sinusoidal Vibration	Random Vibration	Shock 1/2 Sin. 11ms
Standard	Optional	0 to 55°C	1 .. 2 m/s	5 to 90%	-45 to 85°C	2G [20..2000]Hz	0.002g ² /Hz [10..2000]Hz	20G
Extended	Yes	-20 to 65°C	2 .. 3 m/s	5 to 95%	-45 to 85°C	2G [20..2000]Hz	0.002g ² /Hz [10..2000]Hz	20G
Rugged	Yes	-40 to 75°C or 85°C (*)	2 .. 5 m/s	5 to 95%	-45 to 100°C	5G [20..2000]Hz	0.05g ² /Hz [10..2000]Hz	40G

(*) : Temperature grades are subject to availability according to IC products. Please consult us.

All information contained herein is subject to change without notice.

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