

ACM-4000

Altronic Compute Module

- Embedded single board computer for industrial control applications.
- Wide variety of standard interfaces, including networking, display, and expansion.
- Supported by Altronic-Linux® image (Debian®-based).
- Flexible hardware options to support a variety of computational tasks including eRCM Express and Caterpillar engine control system data integration into the DE-4000.
- Class I, Division 2, Group C and D hazardous area certified.
- Enables use of the Altronic Multi-Device Interface (MDI) to display multiple devices on one screen.

ALTRONIC

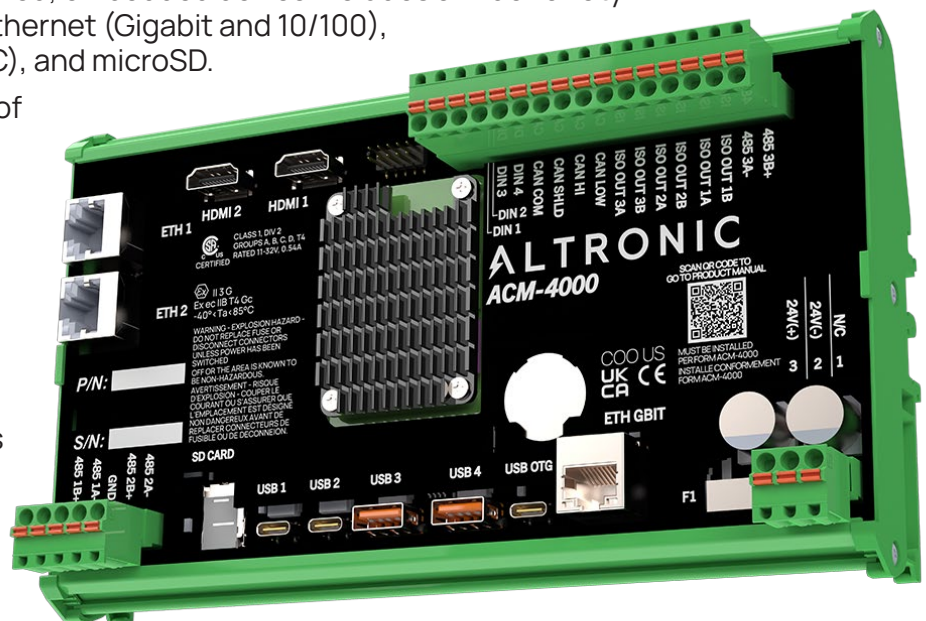
www.altronic-llc.com | sales@altronic-llc.com

The innovative ACM-4000 Altronic Compute Module is engineered and built to execute a range of packaged applications and communication-specific functions in an industrial control environment.

Designed for flexible and reliable service in difficult, mission-critical operating environments, this DIN-rail-mounted, 24 VDC powered, embedded device includes a wide variety of supported interfaces including Ethernet (Gigabit and 10/100), 4K HDMI, CANbus, RS-485, USB (A/C), and microSD.

ACM-4000 can be used in a variety of computationally intensive roles to support advanced products like the DE-4000 and AFR-500. It can also serve independently, supporting I/O processing functions when integrated with third-party devices.

The ACM-4000 Altronic Compute Module is certified for use in Class I, Division 2, Group C and D hazardous areas.



CERTIFIED
CLASS I, DIVISION 2,
GROUPS C and D



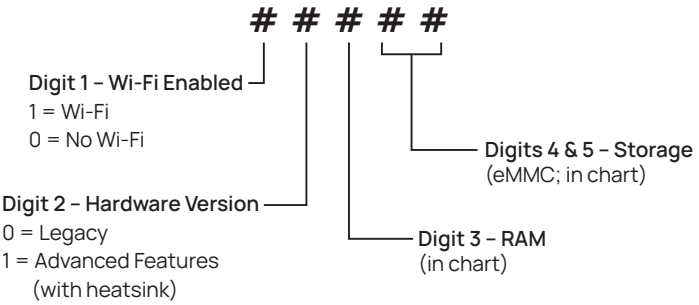
Ex ec IIB T4 Gc
-40° < Ta < 85°C

To Order

ACM-4000 Altronic Compute Module 691810-X

691810-X	(SUFFIX)	(RAM) ¹	(eMMC) ²
	10208	2 GB	8 GB
	10232	2 GB	32 GB
	11432 ³	4 GB	32 GB

PART NUMBER STRUCTURE



General Specifications

COMMUNICATION PORTS

- ×1 – Gigabit Ethernet NIC
- ×2 – 10/100 Ethernet NIC
- ×1 – CANbus
- ×2 – RS-485 (Half-Duplex)
- ×1 – RS-485 (Half-Duplex - J1708)⁴

INTERFACES

- ×2 – HDMI (4K)
- ×2 – USB-C
- ×2 – USB-A
- ×1 – MicroSD

SPECIFICATIONS

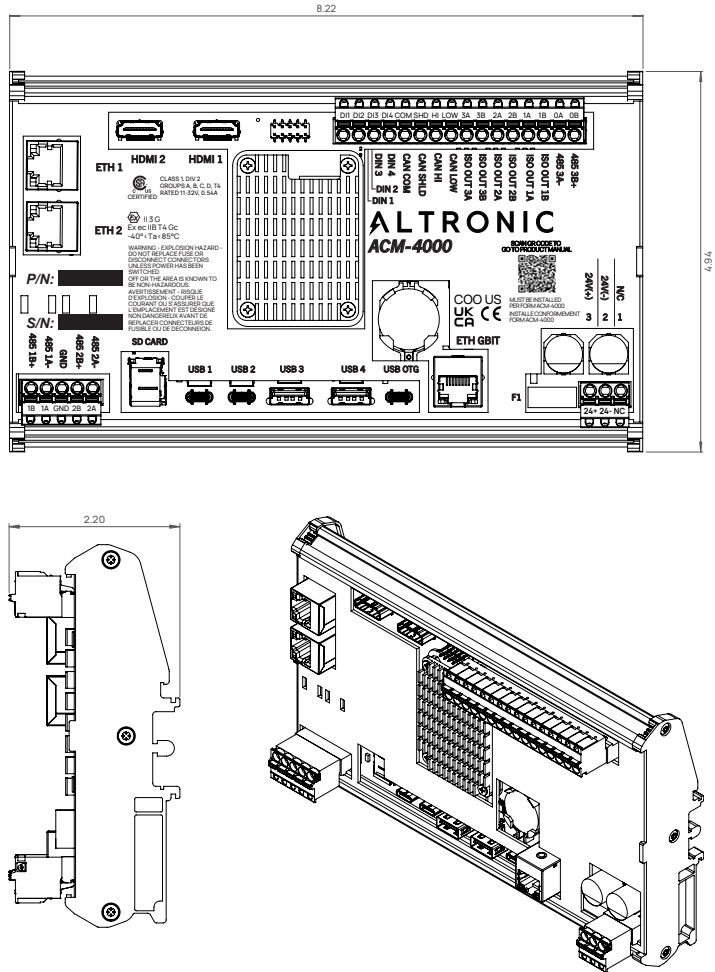
Power Requirements 10-32 VDC, 3 amps max
Temperature Requirements -40°C to +85°C (-40°F to +185°F)

HAZARDOUS AREA CERTIFICATION

Class I, Division 2, Groups A, B, C, D; T4
II 3 G EX ec IIB T4 Gc -40°C < Ta < 85°C

1 RAM selection made based on application criteria.
2 eMMC storage based on application criteria, refers to raw block size, not formatted space.
3 Standard Altronic offering; advanced-features capable.
4 Inclusive of its own asynchronous microprocessor.
5 Standard Altronic offering board view and dimensions.

Mounting Dimensions⁵



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