ACM-4000 ALTRONIC COMPUTE MODULE

- **Embedded single board computer for industrial control applications**

- **Wide variety of standard interfaces, including networking, display, and expansion**

- **Discrete inputs and outputs to allow interface to physical devices**

- **Utilizes the Modular Altronic Software Application (MASA) framework**

- **Supported by Altronic-Linux® image (Debian®-based)**

- **Flexible hardware options to support a variety of computational tasks**

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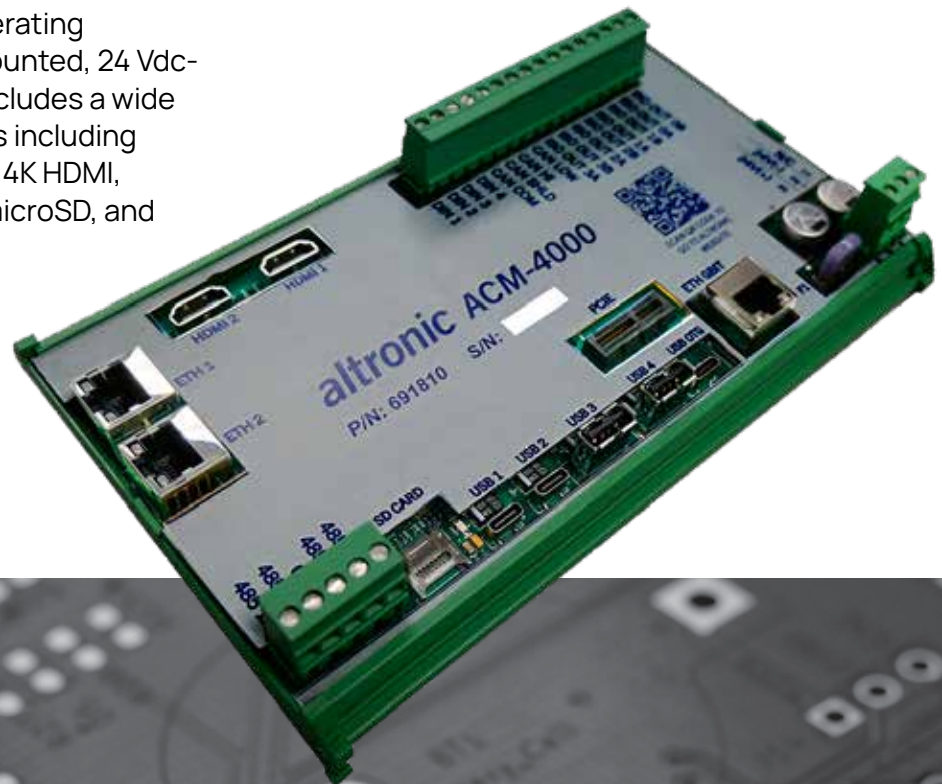
Designed for flexible and reliable service in difficult, mission-critical operating environments, this DIN-rail-mounted, 24 Vdc-powered, embedded device includes a wide variety of supported interfaces including Ethernet (Gigabit and 10/100), 4K HDMI, CANbus, RS-485, USB (A/C), microSD, and PCI-E.

ACM-4000 can be used in a variety of computationally intensive roles in support of other advanced products like the DE-4000 and AFR-500, as well as in independent service in supporting I/O processing functions when integrated with third-party devices. Four (4) 24Vdc inputs, and four (4) solid-state relay-based outputs are also available for additional control functionality.

The available ACM-4000 application packages—the Modular Altronic Software Application (MASA) framework—are detailed in the MASA WIKI on the Altronic website at www.altronic-llc.com.

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

* Final certification of system pending with NRTL. Expected completion in Q2, 2023.

INTERFACES

1 X Gigabit Ethernet NIC
2 X 10/100 Ethernet NIC
2 X HDMI (4K)
1 X CANbus
2 X RS-485 (Half-Duplex)
2 X USB-C
2 X USB-A
1 X microSD
1 X PCI-E (x1)

INPUTS
4 x Sinking Input (5/24V)

OUTPUTS
4 x SSR (60V, 1.5A)

POWER REQUIREMENTS
10-32 Vdc, 3 Amps max.

TEMPERATURE
–40° F. to +185° F.
–40° C. to +85° C.

ORDERING INFORMATION
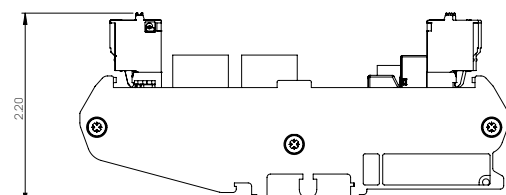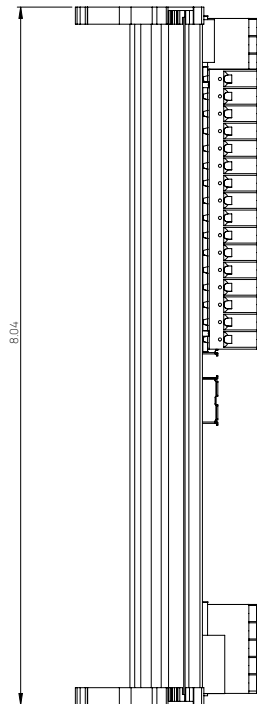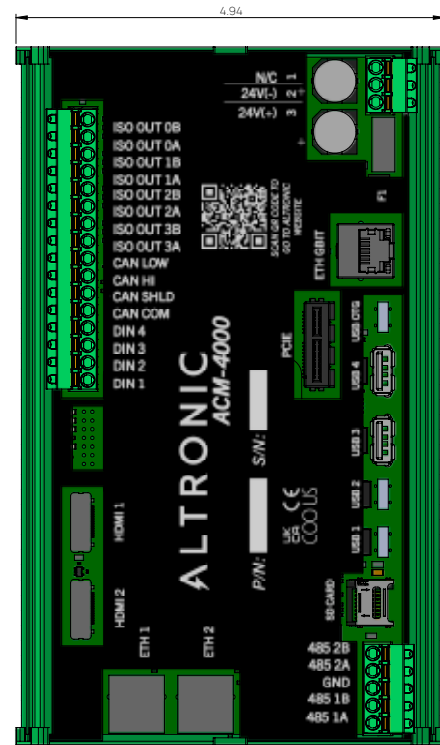
ACM-4000 Altronic Compute Module: 691810-X

691810-	(SUFFIX)	(RAM)*	(eMMC)**
	10208	2GB	8GB
	10216	2GB	16GB
	10232	2GB	32GB
	10408	4GB	8GB
	10416	4GB	16GB
	10432	4GB	32GB
	10808	8GB	8GB
	10816	8GB	16GB
	10832	8GB	32GB

 * RAM selection made based on application criteria

** eMMC storage based on application criteria, refers to raw
   block size, not formatted space

See Modular Altronic Software Application (MASA) Guide for
additional details

MOUNTING DIMENSIONS