Euroscan MX2

Comprehensive cold chain management.

VIACHAIN's Euroscan MX2 enables complete visibility, compliance and control capabilities for the refrigerated transport market.

As part of a comprehensive cold chain telematics solution that includes sensors, connectivity and the ColdChainView web application, the Euroscan MX2 enables comprehensive temperature monitoring, fuel management, preventative maintenance, remote control and more. The MX2 is designed to last as long as a trailer, ensuring that it never needs to be replaced.

By leveraging access to real-time and historical data, shippers and carriers are able to make informed decisions about their refrigerated business, improve operational efficiencies and ensure that products moving along the cold chain meet regulatory compliance and maintain integrity. Maximize your return on investment with reduced claims over cargo loss and damage.

Regulatory compliance
The Euroscan MX2 meets local and international regulations and guidelines, including HACCP, EN 12830: 2018 Class 0.5, CE, RED and PTCRB.

Versatile
VIACHAIN's Euroscan MX2 can be used with a wide range of transport assets—gensets, railcars, ocean containers, multi-temps, straight trucks, refrigerated trailers and more.

- **Comprehensive temperature, fuel and maintenance management**

- **Direct interface to cold chain OEM microprocessors**

- **Two-way monitoring and control**

- **Event-based alarms**

- **Quality assurance and regulatory compliance**

Feature-rich

Track the location of assets and receive real-time alerts when specific conditions are detected—geofence access, intrusion detection, temperature alarms and more. Use advanced reporting and analytics tools to optimize asset performance, fuel utilization and temperature profiles.

The ruggedized Euroscan MX2 features a direct interface to cold chain OEM microprocessors to facilitate installation and use. The system also has a remote on/off relay with lockout capabilities for integrated reefer control.

Compatible refrigeration systems
- Carrier
- Thermo King
- Mitsubishi
- Konvekta

Mechanical
- Dimensions: 137 mm x 94 mm x 63 mm (5.4" x 3.7" x 2.5")
- Weight: 0.9 kg (1.98 lb) including wiring harness

Environmental
- Operating temperature: -30 °C / +70 °C
- Maximum temperature: -40 °C / +85 °C
- Rated IP65, IP67

Power requirements
- Supply Voltage: 10 to 32 volts
- Consumption: 0.4W nominal, 8W maximum during cellular communication

Communications
- GSM (2FF Mini SIM card format, exchangeable)
  - *2G in 850, 900, 1800, 1900 MHz*
  - *3G in 8UMTS 1900 and 2100 MHz*
- Wireless connectivity: Bluetooth 4.1, Class 2

Software
- Local or remote over-the-air (OTA) parameter change, firmware upgrade, alarm configurations

Memory size
- 8 MB, minimum 1 year with 2 sensors on a 15-minute logging interval

Certifications and compliance
- 2004/104/EC R10 automotive e-marking
- EN 12830: 2018 Class 0.5 (-40C to +7C), Class 1 (-40C to +50C)
- PTCRB
- RED
- CE
- GAMP 5
- RoHS

Shock and vibration
- EN 60068-2-27

Immunity
- ISO 11452-2 and ISO 7637-2:2004

Interfaces
- 1 on-board temperature sensor
- 2 inputs for temperature/humidity sensors
- 1 analog or digital input
- 1 digital output
- 1 switched to ground 1A
- 1 digital output 5A relay
- 2 RS232 serial ports
- 1 CAN bus
- Bluetooth 4.1, Class 2
- iButton ready
- 1 3-axis accelerometer for shock detection
- Deployment options
- Temperature and door sensors (standard 2, maximum 10 with AG 400)
- Fuel sensor
- Connectivity to external truck telematics device
- Connectivity to temperature recorder

Although we strive to ensure accuracy in all of our published specifications, actual field performance can vary depending on a variety of environmental, installation and usage factors, as well as third-party factors such as cellular providers. The specifications listed are approximations, and do not constitute binding statements or modify the terms and conditions of purchase or lease including, but not limited to, product operational limitations and warranties. All specifications are subject to change without notice. Please check www.viachain.io to ensure you have the latest version of these specifications.

For more on our solutions or to book a demo, email us: **sales@viachain.io**

Visit our website **www.viachain.io**

VIACHAIN, an ORBCOMM company, is a global leader in IoT solutions that deliver enhanced sustainability, cargo safety and operational reliability for logistics providers, trucking fleets and the world's largest shipping lines. Our pioneering technology transforms intermodal containers and trailers into smart assets to optimize efficiency and reduce risk. Providing real-time visibility and insights into location, condition, safety and route performance, our solutions enable fast reactions to disruptions. With more than 1.6 million connected assets, VIACHAIN is where IoT powers smart supply chains.