Euroscan MX2

Comprehensive cold chain management.

Two-way monitoring, management and control for the refrigerated transportation market.

ORBCOMM'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.

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 12 830, CE, RED and PTCRB.

Versatile
ORBCOMM'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.

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.

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

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 IP67

Power requirements
- Supply Voltage: 10 to 32 volts
- Consumption: 0.6W nominal, 14W maximum
  during cellular communication

Communications
- GSM
  » *2G in 850, 900, 1800, 1900*
  » *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

Certifications and compliance
- 2004/104/EC R10 automotive e-marking
- EN 12830
- PTCRB
- RED
- CE
- GAMP 5

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 external temperature 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 sensors (2)
- Fuel sensor or door sensor
- Connectivity to external truck telematics device
- Connectivity to temperature recorder

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