

eCM II™

ELECTRONIC COMMUNICATIONS MODULE



eCM II™ | Overview

The **Futronics eCM II** is an incredibly versatile communications and GIS module, designed to provide robust communications, remote diagnostics and geographical information between mobile or static systems and a control room. Remote users can quickly determine location, equipment status and system performance metrics, using the **eCM II** integrated GPRS diagnostics feature, and where necessary send command and control signals.

In situations where it is essential to maintain communications, we provide a uniquely powerful and cost effective solution able to utilise multiple SIM cards to insure against poor network coverage. This combined with an integrated GPS engine with two clean RF outputs, WiFi and Bluetooth II makes the **eCM II** an essential component in any mobile or static data environment.

The **eCM II** is fully configurable to optimise performance and offers ultimate flexibility with a simple and cost effective upgrade path, along with seamless integration with other **Futronics** products. A perfect solution for any mobile environment, automatic vehicle location system (AVLS), building management, asset protection and tracking, alarm monitoring with audio verification, plant monitoring and almost any other application where remote control and monitoring is required.



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eCM II Specifications

PROCESSOR:

- Stand alone microprocessor controlled communications module
- Fully programmable cascade of event triggers
- Works in conjunction with Futronics eVC Vehicle Controller and eMC Mobile Data Terminals
- Configurable I/Os – 4 x digital inputs, 2 x outputs - 1 x high sided 1 x volt free
- Dynamic performance feedback via diagnostic LEDs
- Remote interrogation of temperature, voltage and communication levels
- USB 2.0 port for communications with eMC Mobile Data Terminals
- Secure USB dongle port inside – for ANPR and other software license keys
- Multiple plug in modem capability (up to four) – HSDPA/3G+ / GPRS / WiFi / Bluetooth II / Mobitex / Satellite Transceiver Module / TETRA / Radio Modules, in any combination
- Integrated GPS engine incorporating dead-reckoning with 1 x RF input and 2 x RF clean outputs
- Automatic Vehicle Location System (AVLS) capability
- Secure remote control using bespoke SMS commands or locally triggered alarm sequences via separate integrated GPRS modem.
- Remotely accessible two audio communications

CERTIFICATIONS:

- ROHS compliant
-    (pending)
- Spec 5 issue 10 approval (pending)

PROPERTIES:

- Power: 12v DC
- Size: 210mm (W) x 115mm (D) x 40mm (H)

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