



## MCC-972XS 3G/GPRS Web Enabled RTU

- 3G / GPRS comms
- SDI-12
- RS232
- Analogue inputs
- GPIO
- Relay Outputs
- Internal Data Storage
- IP54 Enclosure
- 12V DC Low Power
- Web enabled
- Local and remote alarm configuration

The MCC-972XS 3G/GPRS Remote Telemetry Unit is a versatile device which can be used in a wide range of applications. The I/O supports multiple sensor and equipment types.

Housed in a robust IP54 Aluminium enclosure the MCC-972XS is part of the ESNET modular monitoring system, which allows sophisticated networks to be created cost effectively and quickly.

Fitted with SDI-12 and RS232 communication ports the unit can be interfaced with most industry leading smart sensors, enabling control and data acquisition from these devices.

Up to eight analogue inputs can be configured as 4-20mA, 0-5V, 0-15V or 0-30V range. GPIO inputs can be configured as digital event or pulse count. Relay Outputs allow connection of pumps and autosamplers.

The MCC-972XS uses 3G/GPRS communication to ensure reliable real time communication. There is also an option to fallback to GSM PSTN. Connection is to the Meteor Data Centre, where data is hosted via secure web portal, with options to integrate data directly into existing SCADA or data gatherer platforms.

The MCC-972XS is a cost effective, I/O rich RTU which enables robust, reliable real time connectivity to remote assets, and instant access to data via Meteor's ESNET web platform.



### I/O Specification

Analogue inputs	Up to 8, configurable 0-20mA, 4-20mA, 0-5V, 0-15V, 0-30V
Resolution	12 bit
Digital	Up to 6 multipurpose digital inputs configurable (State, event, count)
SDI-12	Up to 10 SDI-12 instruments addressable 0-9
RS232	Configurable Port 300-9600 baud
Relay Output	Up to 4 SPDT Relay outputs 60V / 1A switching capability

### Communications

Modem	Quad Band GSM/GPRS/EDGE Class 10/12, Tri Band W-CDMA/HSDPA (3G)
Antenna	SMA Bulkhead
GPS (Option)	TTFB <5s, open sky accuracy <2m

### Physical Characteristics

Dimensions	135 x 56 x 105 mm (205 x 56 x 109 mm inc. bracket)
Weight	250g
Operating Temperature	-20 to +50 Deg C
Housing	IP54 Aluminium
Fixings	Mounting plate for panel fixing

### Power

Power Supply	DC
Power consumption	<0.1W average
DC Operating Voltage	12V DC nominal (6-28V)

