



# MONICO, INC. ETHERNET

## CCM Translator CCM to Modbus TCP/IP Protocol Converter

### Application

The Monico CCM Translator is a plug & play protocol converter product which translates data from CCM protocol to Modbus TCP/IP protocol in Caterpillar® equipment. It is used in applications where engine data is to be transferred from a CCM to a PLC, CCM to a Man-Machine Interface (MMI, see Monico MoniTrend product) and from a CCM to remote monitoring devices (see Monico satellite systems).

### Compatible Engines and Controls

- |          |          |           |           |
|----------|----------|-----------|-----------|
| • 3400   | •EMCP11+ | •G3600    | •16CM 34G |
| • 3500   | •G3400   | •ADEM II  | •ITSM     |
| • EMCPII | •G3500   | •ADEM III | •ICSM     |

### Standard Equipment

- Translator Hardware & Software.
- 24 Vdc or 110 Vac, to 5 Vdc power supply.
- Translator to CCM cables.

### Inputs

- Two serial RS 232 inputs for CCM's.
- Optional input for External Devices.

### Features

- “Canned” solution with pre-configured registers
- Automatic CCM detection and configuration.
- Retrieves all Caterpillar PIDs for any engine type.
- Connect one or two engines simultaneously.
- Up to Three Modbus Masters simultaneously.

### Installation

- Mount the Translator and power supply in a panel within 50 feet of the CCM.
- Connect the Translator to the CCM.
- Connect the Host Device (PLC, SCADA or MMI) to the Translator Ethernet port and configure the host to poll the pre-configured Modbus addresses as shown in the Modbus Data Map spreadsheet.
- Supply 5 VDC power to the Translator.
- Begin scanning Translator Modbus addresses to receive engine data.

### Add on Monitoring and Control Equipment

- Complete analog and digital I/O systems for entire plant monitoring and control solutions.
- J1939 Translator for protocol conversion to Modbus.
- SatScada Satellite system for multiple parameter monitoring and internet reporting.
- MoniTrend Man-Machine Interface for local gathering, trending and historical data archiving.

\*\*\* See our web page at [WWW.MONICOINC.COM](http://WWW.MONICOINC.COM) for more information \*\*\*

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