



# CDL Gateway™ MODBUS VERSION

## Application

The Monico CDL Gateway™ is a “Plug & Play” protocol converter product which provides direct access to engine monitoring parameters from Caterpillar® equipment via Modbus TCP/IP, Modbus RTU, or many other protocols and memory map formats . It is used in applications where engine data needs to be accessed from a PLC, a Human-Machine Interface (HMI, see Monico MoniTrend product) or from remote monitoring devices. No intermediate devices are needed and little or no setup is required.

## Compatible Engines and Controls-Any ADEM II or ADEM III Engine Controller

- |            |             |            |           |
|------------|-------------|------------|-----------|
| • 3400     | • EMCP II+P | • G3600    | • GCM34   |
| • 3500B/C  | • G3400     | • ADEM II  | • ITSM    |
| • EMCP II  | • G3500     | • ADEM III | • ICSM    |
| • EMCP II+ | • Marine    | • G3520C   | • EIS/AFR |

## Input

- Two-Wire Data Link Input
- Concentrate data from other devices

## Host Interfaces

- Modbus TCP/IP over Ethernet via RJ-45 Jack
- Modbus RTU over RS-232 Serial via RJ-11
- Modbus RTU over RS-485 Serial via RJ-45

## Features

- Pre-configured solution with over 400 Modbus registers
- Built-In USB User Interface shows all available parameters on a specific installation
- 10X+ times faster than the CCM Translator
- Automatic Engine detection and configuration
- Up to four Modbus Masters simultaneously using Modbus TCP/IP or Master and Slave configurations available
- **C-UL approved for Class I Div II Groups A-D locations**

## Installation

- Mount the Gateway in a panel near the Engine
- Connect the 2-wire Data Link to the Gateway
- Connect the Host Device (PLC, SCADA or MMI)
- Supply 24 VDC power to the Gateway
- Begin scanning Modbus addresses to receive engine data

## Other Capabilities

- Other protocols available such as Allen-Bradley, Siemens, and GE PLC Memory Maps, BACnet, etc.
- Convert other devices to Modbus or many other protocols through available ports
- HMI screens from 3” to 15” with multiple communications ports and CDL capability

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