



The solution to your engine communication and monitoring needs...  
The CDL Gateway™

The Monico CDL Gateway™ is a "Plug & Play" protocol converter/data concentrator product, which provides direct access to engine monitoring parameters from Caterpillar® industrial equipment via a variety of different protocols. It is used in applications where engine data needs to be accessed from a PLC, Human-Machine Interface (HMI), building management system, SCADA system or some other remote monitoring device. No intermediate devices are needed and little to no setup is required.

### Benefits & Features

- Over 400 pre-configured registers
- Built-in USB User Interface shows all available parameters on a specific installation
- 10-15 times faster than the previous customer communications products
- Automatic engine detection and configuration
- Gather data from other devices through available ports
- Pulls parameters at a rate of approximately 20-60 parameters per second
- C-UL approved for Class I Div II groups A-D locations

### Compatible Engines and Controls

The CDL Gateway™ supports any ADEM™ Electronic Engine Controller. Some of the more commonly supported engines include:

- 3400
- 3500
- G3400
- G3500
- G3600
- G3250
- GCM34
- ITSM
- ICSM
- EMCP II
- EMCP II+
- EMCP II+P
- EIS/AFR
- VIMS
- C9
- C15
- C18
- C32
- C175
- C280
- MARINE

### Pre Configured Versions

Monico has a variety of pre-configured CDL Gateway™ versions

- Allen Bradley
- BACnet
- GE Fanuc
- Modbus
- Omron
- Siemens
- SNMP

The CDL Gateway™ supports over a hundred different protocols and special parameters that need to be monitored can quickly and easily be added.

### Temperature Ranges

Operating Temperature Range: 0 to 50 °C

Storage Temperature Range: -30 to +70 °C

### Installation

- Mount in a panel near the engine
- Connect 2-wire Data Link
- Supply 24 VDC power

A USB interface allows for the configuration of ports and assignment of device IP addresses through out MonicoView™ software. The user interface is used to extract the setup file to provide a clear view of parameter mappings and port settings, perform configuration modifications if needed, identify exactly which parameters are responding on the installation, and to view live data.

### MONICO SALES:

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### CDL Gateway PLUS™ Benefits & Features

The CDL Gateway PLUS™ has the same powerful features found in the CDL Gateway™ with the addition of several key upgrades.

#### Real-Time Data Logging

Multiple data logs can be implemented with varying timing formats and file structures. Up to a 2 GB Compact Flash memory card can be inserted, and is capable of logging approximately 80 parameters every 3 seconds for 200 days. The logs are stored as raw data and as CSV files which will import directly into Excel.

#### SMTP and SMS Servers

The email servers allow the ability to trigger traditional email messages and text messages upon configurable circumstances.

#### Sync Server

The server is programmable to push the log files to a server located on the same network

#### FTP Server

The server allows a user to transfer log files automatically from a remote network

#### OPC Capability

This feature allows a common server to poll data from multiple protocols under one system in combination with OPC WORX.

#### Time Manager

The time manager syncs the on-board real-time clock with a server standard or an internet standard clock. This is particularly useful when data logging.

#### Virtual HMI Web Server

The built-in web server allows remote monitoring and control of an engine from a remote location using only Internet Explorer. Security features are built-in to prevent unauthorized access. Standard Web Server screens are supplied or custom web pages may be created using our free MonicoView™ software.

### What makes Monico different from others?

*"We sought Monico's help because we needed to be able to gather more data from the CAT® ADEM Panel, i.e... burn times, detonation levels. This is the easiest product to use. Just add a couple of tags into the Control Logix and you are up and running!"*

**Mike K., Kinder Morgan**

*"Engine OEM products can provide lots of information locally, but that doesn't help when the people responsible for keeping the units online are a hundred miles away. The CDL Gateway makes that information available remotely."*

**Steve H., Dresser-Rand Engineuity**

*"You will be very impressed with this product. If you are looking for a custom monitoring system or web based SCADA system, hands down this product will get you everything you need."*

**Aaron W., Quinn Caterpillar**

*"Monico offered us a proven solution that met our specific needs, not a generic solution that would require custom programming by us to get it to work. Doing business with Monico has been a very positive experience for us."*

**Brad R., 212 Resources Corp.**

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