



*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, a Human-Machine Interface (HMI), building management system, SCADA System or some other remote monitoring device. No intermediate devices are needed and little or no setup is required.**

#### **CDL Gateway™ 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
- Polls parameters at a rate of approx. 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
- G3520
- 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 Gateways™.

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

The CDL Gateway™ supports over a hundred different protocols. If you have special parameters that need to be monitored, we can quickly and easily add them to our Gateway.

#### **Installation**

Complete installation can be performed in a matter of minutes. Simply mount the CDL Gateway™ in a panel near the engine, connect the 2-wire Data Link to the Gateway, supply 24 VDC power to the unit and the Gateway is ready to go!

A convenient USB user interface allows each customer to configure the ports and assign device and IP addresses, if necessary. The user simply installs MonicoView™ software, plugs into the USB port and installs the USB drivers. 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:**

3403 Chapel Square Drive. Spring, Texas 77388  
T - 281.350.8751 | F - 281.754.4633 | [sales@monicoinc.com](mailto:sales@monicoinc.com)



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MONICOINC.COM

### 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 which is capable of logging approximately 80 parameters every three seconds for 200 days. The logs are stored as raw 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

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

#### FTP Server

This server allows a user to transfer the 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 the Others?

*"We sought Monico's help because we needed to be able to gather more data from the CAT ADEM Panel, ie... 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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