



Remote Communications

WANVMS-CELMOD and WANVMS-CELMODG

**The industry leader.**

The Wanco remote communications system allows you to monitor, program and run diagnostics on our variable message signs from a remote location. Remote communication with the sign saves travel time, enhances safety, and reduces the need for training of off-site personnel.

Details

Two components are necessary for remote communications: an IP modem installed on the message sign, and a computer with an Internet connection. The modem is assigned an active data service plan (essentially, a phone number or IP address) that can be accessed (called) from the computer via an Internet browser.

Wanco supplies the modem and can assist the user in setting up wireless service. The user must contract with a cellular carrier (Verizon®, Sprint®, AT&T® or similar) and have access to a computer running Microsoft® Windows® and Internet Explorer® software.



Wanco's NTCIP remote-access software provides connection information and message sign status, and allows the operator to view—and modify—the message displayed on the sign. With more than one message sign, operators can check power levels on any sign, view alarms and warnings, access accessories such as [Wanco radar](#), [Wanco GPS](#), and more.

Specifications[†]

GSM modem

Technology	GPRS (MS-12 Supported)
Bands	Quad band, 850/1900 and 900/1800 MHz
Operating temperature	–22 to 149 °F (–30 to 65 °C)
Standards and approvals	FCC, Industry Canada, Class I Div 2, RoHS, PTCRB, carrier-specific approvals

CDMA modem

Technology	CDMA 1xRTT, CDMA IS-95, EvDO Rev. A
Bands	800 Mhz cellular, 1900 Mhz PCS
Operating temperature	–22 to 158 °F (–30 to 70 °C)
Standards and approvals	FCC, Industry Canada, Class I Div 2, RoHS, carrier-specific approvals

Computer system requirements

Microsoft® Windows® (most versions)
.NET framework
Dial-up or Internet connectivity

Features

- Remote control of sign messages
- Remote monitoring and diagnostics
- Cellular data-transfer technology
- GSM/GPRS or CDMA
- Multiple I/O for vehicle telematics
- Programmable alarms
- Compatible with NTCIP central systems
- Can be installed on any Wanco message sign



Global Positioning (GPS)

Wanco GPS provides all the functionality of the Wanco remote communications system, and adds intelligent asset tracking. Wanco GPS allows you to monitor, program and run diagnostics on our variable message signs from a remote location, and provides message sign location.

Details

Today's global positioning systems provide highly accurate location data. In industry, a GPS can help you manage your fleet and increase efficiency. Wanco GPS, installed on equipment in the field, lets you remotely monitor, control, and manage your Wanco message signs.

Two components are necessary for a functional GPS: a GPS transmitter and a receiving device. Wanco GPS uses a cellular modem, which is assigned an active data service plan (essentially, a phone number) that can be accessed (called) from any computer over an Internet connection.

Wanco supplies the GPS modem and can assist in setting up cellular service. The user must contract with a cellular carrier (Verizon®, Sprint®, AT&T® or similar) and have access to a computer with an Internet connection.

Wanco GPS offers persistent connection maintenance and remote management and control using remote-access software. Administrators can configure when data are collected and transmitted. The 16-channel GPS receiver constantly computes the vehicle location. Position reports are transmitted over the cellular data network based on time and distance.

Specifications[†]

Technology	GSM: GPRS (MS-12) CDMA: CDMA 1xRTT
Bands	800 MHz cellular, 1900 Mhz PCS
Operating temperature	-22 to 158 °F (-30 to 70 °C)
Standards and approvals	FCC, Industry Canada, carrier-specific approvals, RoHS-compliant

Features

- Remote monitoring, control, management and diagnostics
- High-accuracy GPS receiver
- Cellular data-transfer technology
- Remote control of sign messages
- Compatible with NTCIP central systems

[†]Specifications subject to change without notice.

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