



EIO Series Overview

For Wireless Monitoring and Control

Applications

Generator Sets
Power Measurement
Utility Load Control
Industrial Automation
HVAC Systems
UPS Systems
Battery Power Systems
Power Converters
Telecommunications
Cell Towers
Data Centers
Agriculture

Wireless Networks

Cellemetry
Nextel Data
Vistar Satellite
Iridium Satellite

Specifications

Size: 13" x 11" x 6"
Power Input: 12-36 VDC
150 mA max
Weight: 10 pounds
Attaches: Wall Mount
RF Power: 3 watts*
Battery: 12V Lead Acid
Antenna: 3db Mag Mount*
Inputs:
16 Form C (12-36 VDC)
16 Digital or Analog (0-5V)
1 Dedicated 4-20 mA
2 RS-232 Serial Ports
1 RS-485 Serial Port
Outputs:
16 Opto Isolated Relays
Temp: -20 F to +120 F
FCC: Part 90 and Part 15

*Network Dependent

The OmniMetrix EIO remote terminal unit allows users to monitor more remote equipment connection points and to control more output devices than previous systems could offer. Based on its modular design, the EIO unit has great versatility for a wide variety of monitoring applications in the telecommunications, electric power, industrial automation and transportation industries. It's features provide unparalleled remote asset management.

The OMX EIO system has been designed to leverage national and international wireless data networks for remote telemetry and control. Standard industry software and database tools are used to deliver alarms and event information via the Internet. The system is also capable of delivering near real-time streaming data for advanced applications through packet-based IP wireless networks. The EIO unit supports serial data communications, has RS-485 multi-drop capabilities, has a real-time clock for accurate time stamping, supports the Modbus RTU protocol and incorporates an electronic key reader for service personnel identification.

The standard unit contains 32 inputs and 8 outputs. All output connections are optically isolated. The EIO unit comes in a NEMA 1, or a NEMA 4 enclosure for outdoor applications. The EIO system is fast, reliable and does not require complicated set-up or purchase of custom software. All data is delivered over the Internet and/or via other portable electronic devices.

The process of installation and activation of monitoring services is fast and simple. All installation is supported through OmniMetrix's customer support Help Desk.



Features

- Wireless to Web Enabled
- Global Wireless Footprint
- Modbus Compatible
- Expandable Inputs/Outputs
- Remote Control
- GPS Locator Option
- Real-time Clock
- NEMA 4 or NEMA 1 Enclosure
- Battery Backup
- Electronic Key Reader
- Event Logging, Archival, Notification

Benefits

- Economical
- Universally Applicable
- Leverages Commercial Wireless Networks
- Monitor Multiple System Inputs
- User Definable Alarms
- Real-Time Notifications
- Multiple Alarm Recipients
- Archived Operational Data
- No Custom Software
- No Phone Lines

Model	Features
EIO-C	32 Alarm Inputs, 8 Outputs, 2 Serial Ports, RS-485, 4-20 mA Input, Electronic Key Reader, Uses Cellemetry
EIO-N	Uses Nextel Data Network for High Bandwidth
EIO-V	Uses Vistar Satellite for Extended Wireless Coverage
EIO-I	Uses Iridium Satellite for Global Wireless Coverage

IT'S LIKE HAVING A TECHNICIAN ON SITE 24 HOURS A DAY!