

# TITAN

Control and Monitoring



## SPECIFICATIONS

### Protocols

- RS232
- RS485

### Titan Features

- Fast wireless - speeds up to 50Mbps
- RailView integration provided
- Remote configuration via web
- Buffered serial data for robust communications
- Redundant PSU configuration (Optional)
- Next generation IPv6 support
- Encrypted data

### Topology

- Serial to Ethernet LAN
- Serial to Wi-Fi
- Serial to GPRS
- Serial to Point-to-Point wireless

### Titan Lite

- Temperature Range: -20°C to +70°C
- Protocols: RS232
- Ethernet Interfaces: 10/100 Base T
- Wireless: Wi-Fi 802.11 g,n 5Ghz
- Number of Ethernet Ports: 1
- Power Over Ethernet: No
- Main Power Supply: 10-28V (Other options available)
- Maximum Power Consumption: 8 Watt
- Mobile Communications: 2G, 3G, LTE up-to 100Mbps
- PCB: Conformal Coated

### Titan Enterprise

- Temperature Range: -20°C to +85°C
- Protocols: RS232 or RS485
- Ethernet Interface: 10/100/1000 Base T
- Wireless: Wi-Fi 802.11 a,n 5Ghz, MIMO or Wi-Fi 802.11 g 5Ghz or Wi-Fi 802.11 g,n 2.4Ghz Access or Client configuration
- Optical Fibre: 1310nm Single-mode or 1550nm Single-mode or 850nm Multi-mode
- Number of Ethernet Ports: 3 (Up-to 9 ports are available)
- Power Over Ethernet: Yes, 48VDC
- Main Power Supply: 8-30V (Other options available)
- Maximum Power Consumption: 25 Watt
- Mobile Communications: 2G, 3G, LTE up-to 100Mbps
- PCB: Conformal Coated

### Interfaces

- Ethernet 10/100/1000 Base T
- Wi-Fi, IEEE 802.11 a,b,g,n @ 2.4Ghz/5Ghz
- 2G/3G/4G

### Applications

- Rail Sensors
- Trackside Equipment Monitoring
- Ethernet Router redundancy
- Point-to-multipoint configurations
- Wireless sensor hubs
- Wi-Fi Access Point
- IoT connectivity

### Management

- RailView cloud monitoring
- Remote console
- SNMP v2c

The **Titan** is a serial protocol to Ethernet, wired or wireless converter with built-in failover. It is ideal for use in rail environments where sensors and trackside devices require continuous connection to the network and monitoring equipment.

It has been designed to provide high performance wireless and wired connectivity but at a very low cost, making it ideal for remote connections to sensors for monitoring and configuration.

With built-in configuration and management functions, the **Titan** solution can be used for all remote connections with built-in failover.