

TELSEC® CPM

Critical Monitoring & Alarming Made Easy for Remote Sites without Network Connectivity

The TELSEC CPM is designed to address the monitoring and alarming requirements of critical infrastructure equipment and facilities for multiple markets such as: telecommunications, cable/broadband, electric & water utilities, railroads, oil & gas pipelines, edge computing, industrial, commercial, and multi-residential facilities. The compact intuitive system provides cellular network connectivity to monitor environmental conditions like temperature, humidity, intrusion, AC & DC power, ATS, generators, fuel level, and other critical systems found in small remote locations such as cell tower sites, microwave sites, repeater sites and equipment cabinets.

The unit comes standard with an Ethernet interface and has an option for a built-in cellular modem. When the unit is configured for wireless modem communications it can use the Ethernet port to provide access for another device at the site using Ethernet port forwarding rules.

The CPM monitors the incoming voltage powering the unit and provides an alarm message via SNMP trap or Email if there is a power failure. The system has a backup power option to keep the system functional when commercial power goes away. The unit comes with ten universal inputs with support for monitoring of temperature, contact closures or any 0-5 VDC or 4-20 mA sensors such as humidity sensors, fuel level, current transducers (CTs) etc.

The system features a built-in web server for programming and status monitoring of the site, including extensive alarm logging and historical point data logging with a graphing engine. The alarm logic is programmable for multiple severity levels and delay times. All programming is stored in non-volatile memory and can easily and quickly be backed up to a PC or server. Alarm notifications are sent using SNMP traps/informs and email notification.

The TELSEC CPM can act as a standalone device or be integrated into Quest's OspreyFMS® enterprise software, providing users a comprehensive view and management of all their critical facilities.

Features:

- Cellular modem for remote communications and alarming
- Backup power option to remain alive when incoming power is lost
- Ten universal inputs
- Ethernet communications with support for IPv6, IPv4, HTTP, HTTPS, RADIUS Password Authentication, SSH, Telnet, TL1 and SMTP (Email)
- SNMP v1, v2c and v3, for gets, sets, traps and informs
- Provides wireless access to a device connected to the southbound Ethernet port
- Compact package allows for wall or shelf mounting

Benefits:

- The cellular modem provides remote access to sites that do not have network connectivity
- Incoming power monitoring with power backup allows the system to send a power failure alarm and then a power restored notification
- Eliminates downtime by acting as an Early Warning System
- Reduces unnecessary visits to remote sites
- Simple to install & program
- Can be configured through a web browser or upload a config file
- Real-time view of your facility and critical equipment
- Low-cost solution for remote monitoring of your critical facilities

Applications:

- Telecommunications, cable/broadband, electric & water utilities, railroads, oil & gas pipelines, edge computing, industrial, commercial, and multi-residential facilities.
- Ideal for small remote locations such as cell tower sites, microwave sites, repeater sites, and equipment cabinets.



Supports Encrypted Communication Protocols

Specifications

Part number: 151102 with backup power, 151107 without backup power
Inputs: ten universal inputs supporting 0-5 VDC, 4-20 mA, thermistors, and contact closures. Additional input to monitor presence of incoming power
Network interface: Ethernet 10/100 Base-T for configuration and to allow wireless access to an external Ethernet enabled device
Optional 4G LTE Cat 4 Modem: (PN 301046) featuring multi-carrier support
Protocols supported: IPv6, IPv4, HTTP, HTTPS, RADIUS Password Authentication, NTP, SMTP (email), SSHv2, Telnet, TL1, SNMP v1, v2c and v3 for gets, sets, traps and informs
Alarm Destinations: SNMP trap servers and email recipients

I/O terminal: removable screw terminals
Power: 24VAC, 24-48 VDC, 3.7 W max.
Backup Power: rechargeable super caps retains operation for approx. 5 mins.
Temperature sensor accuracy: ±1°F
Ambient operating temperature: -40° to 185°F (-40° to 85°C), 0-95% RH non-condensing
Dimensions: 7.17 L x 7.09 W x 2.42 D in. (182 x 180 x 61 mm)
Weight: 1.5 lb (680 g)
Warranty: one year

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Specifications subject to change without notice 151102 V6 011623