Protect your network with the Webmon Matrix

- Industrial grade reliability for long-term, maintenance-free operation
- Wire-line, fiber or wireless connectivity for local and remote access
- Adaptable to all operating conditions and extreme remote environments
- Six slots for multifunctional modules and scalable configurations
- SNMP, TL1, and other protocols for dependable network management
- Browser-based user interface for effortless provisioning

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Dantel's WebMon Matrix

A scalable, multifunctional remote monitoring and control system.

- Modularity: Up to six individual discrete, analog, sensor & control cards.

- Connectivity: Wireline, wireless, single or dual channel fiber, IPv4/6

- Security: Radius/TLS, SNMP v3/TLS, X.509 SSL, SSH v2 CLI, SHA/AES

- Environment: -40 to 85 deg C, NEBS, FCC, CE Certified

Key Features

Enhanced Security

- Browser: secure (https)/non-secure (http), user selectable
- Web interface, single page shows the state of all inputs, third-party camera view
- Encrypted username/password account levels: Read-only, Read-write and Administrator
- Available dial-up backup
- 40-bit encryption
- X.509 SSL certificate support
- IPv4 or enhanced IPv6 network protocols
- RADIUS Authentication, or secure RADIUS over TLS
- SNMPv1,v2,v3 (USM) or highly secure v3 (TLS) including SHA and AES Encryption support
- Encrypted (SSH v2) Command Line Interface (CLI)
- On-board and remote syslog event data logging option

Network & Communication

- 10/100 Ethernet, (optional fiber interface)
- Media converter : Ethernet/Fiber switch (optional)
- TCP/IP port forwarding
- CDMA Wireless modems
- Cellular Gateway application
- Terminal Server, 4 ports per card
- Serial ports, 1, 2 or 4 (options) RS-232, RS-485, (more)
- PSTN modem dial-up (dial-in, dial-out)

Other Features

- LCD Visual/Audible display
- DCM, MODBUS®, DCP/F, TABS protocol support.
- NTP Server Synchronization
- Real-time clock
- LED Indicators: Unit status, Serial ports, Ethernet
- Pluggable terminals (all connections)
- Internal fault detection
- Scheduling - 6 user configurable schedules
- Universal Slot design for any combination of app cards
- Pre-wired alarm connectivity options
- Available External Database Configuration Utility

System Specifications

Event Detection

- Discrete input card, 8, 16 or 32 per card wet or dry, individually configurable
- Discrete outputs, 8 Form A, 5 Form C, 10 Form C, 16 Form A, manual or automatic operation
- Temperature/Humidity Option - 4 thresholds each
- Analog input card, 8 per card, -100 V to 100 V, multiple configurable event thresholds
- Remote analog sensors: Battery, gas temp, pressure, AC and other monitoring sensors
- 12 and 24 VDC, multiple configurable event thresholds
- Derived (logical) alarms (Boolean arithmetic decision-driven inputs supporting all analog and discrete events.)
- GPS alarms based on latitude, longitude and speed
- Network device monitoring up to 32 devices (ICMP ping)
- Power input monitoring, event generated on power loss or restoration, external indicator

Monitoring and Configuration

- SNMP, state of all inputs accessible, v3 authentication and encryption, allows non-standard port numbering
- SNMP traps, up to 16 targets, any combination of version 1, 2c or 3 Version 2C informs
- Email, up to 16 targets
- TL1 Protocol (Issue 3 or 5) to multiple accounts
- FTP, database backup and recovery, software upgrades

Other Specifications:

- Dual, redundant power inputs: 12 VDC, 24 VDC, -48 VDC, with 110/220 VAC option
- Chassis, powder-coated aluminum
- Mounting, 19" or 23" rack
- Dimensions: Height, 1.75", Width, 17", Depth, 12"
- Weight, 6 lbs
- -40 to 85 deg. C, 95% Humidity (non-condensing)

Compliance / Certification

- NEBS, FCC, CE certified
- EN 300/386
- FCC Part 15, Subpart B