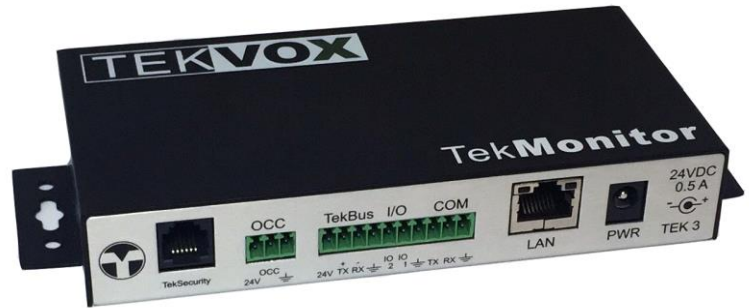


TEK 3 TekMonitor™

The TEK 3 is the third generation of the TekMonitor networked AV and Room Controller series. This new design adds greater flexibility to the TEKVOX control products by allowing expansion to other peripherals including IR transmitters and enables communication between other TekMonitors, TekTouchPad™ and TEKVOX's advanced user interface solutions.

Unlike other control systems using a centralized controller and custom programming, a TekMonitor is designed as a monitored distributed control system with device drivers and asset management. As an energy savings device, the TEK 3 is designed to easily connect to occupancy or motion sensors, and supports both 12 and 24 volt sensors. TekMonitor products are easily configured utilizing TekWizard, a component of the TekManager™ software suite which offers an intuitive step-by-step setup process.



One of the unique features in a TekMonitor is TekEzLink™ allowing for simple secure communication between TekMonitors or third party control systems. With TekEzLink there is no polling, just configure the feedback items to watch and TekEzLink will send any changes.

The new TekBus™ expansion interface provides an RS-485 serial interface and power supply to expansion modules and TekTouchPads. This allows for easy addition of low power relays, logic IO, multiple sensors and external wired and wireless communications modules. The interface can also be configured as as a third RS232 serial port.

New Advanced Features:

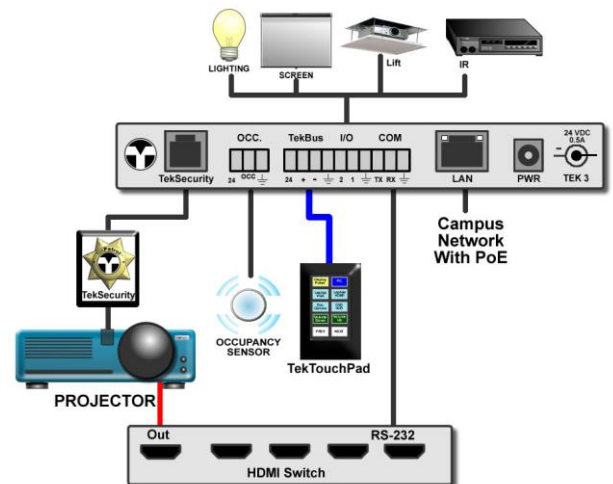
- IP device communications of up to eight (8) devices
- TekBus expansion interface or a third RS232 serial port
- Flexible digital I/O that can also drive an IR transmitter
- Improved isolated PoE with full support for IEEE 802.3af Standard
- Enhanced Macro Support

TekMonitor Features:

- Security management for display devices
- Supports occupancy and motion sensors
- Scheduled e-mail usage reports
- Lamp, filter and maintenance timers with e-mail reports
- Event scheduling
- Supports DHCP IP configuration using a proprietary auto-discovery
- Compatible with any device that has a data connection and released protocol
- Up to 50 macro definitions with programmable logic

TekManager Features:

- Easy step-by-step system integration using TekWizard
- Effortless management of devices using a view-all navigation GUI
- Remote monitoring and control from multiple computers
- Inventory and asset management
- Seamless integration with TekEnterprise™ Enterprise Management System



Device Hardware Specifications

Ethernet Interface

Connectors 1 - RJ-45 male connector
Data rate 10/100Base-T, half/full duplex with auto sensing
Network Protocol Supported DHCP, ICMP (ping), TCP/IP, UDP, Telnet, SMTP

TekSecurity™ Interface

Connector RJ12 modular connector
COM 1 RS-232 serial TX and RX
Security Input ESD protected input with internal 10K pull-up resistors
LED Output Open collector Darlington with 300 ma @ 24V
Pull-Up 2.7K 1/4 watt resistors connected to 24V (9 mA)

COM Interface

Connector Phoenix Connector – 3 Positions
COM 2 RS-232 serial TX and RX
Ground Earth ground interface

TekBus Interface

Connector Phoenix Connector – 4 Positions
COM 3 RS-485 or RS-232 serial TX and RX
Power Output Selectable 24 or 12V DC output with maximum total output current of 350ma
Ground Earth ground interface

Occupancy Sensor Interface

Connector Phoenix Connector – 3 Positions
Input One - ESD protected input with internal 10K programmable as pull-up or pull-down
Power Output Selectable 24 or 12V DC output with maximum total output current of 350mW
Ground Earth ground interface

Flexible I/O 1 & 2 Interface

Connector Phoenix Connector – 3 Positions
Flex I/O 1 & 2 Programmable as Digital Inputs, Outputs, or IR Transmitter with the mode options listed below
Logic Input Mode ESD protected inputs with internal 10K pull-up resistors, Logic High 2V and Logic Low 0.8V
Digital Output – Positive Drive Mode Open collector Darlington's with 300 ma @ 24V sourced to ground
Digital Output – Open Source Mode 2.7K 1/4 watt pull-up resistors connected to 24V (9 mA)
Digital Output – Serial Output Mode TX only with two modes selections of 0-12V or 0-24V (can be configured to drive IR transmitter)
Ground Earth ground interface (Shared)

General

DC Power Supply (Optional) 100-240VAC, 47/63 Hz, 0.5A, 15 watts
Power over Ethernet (PoE) 48 VDC @ 350ma - Supports PoE, PoE+ and IEEE 802.3af standard
DC Power 24 VDC with Idle current of 0.06 Amps and Maximum current of 0.65 Amps
Temperature/humidity Storage -40° to +158°F or -40° to +70°C @ 10% to 90% relative humidity
Non-Condensing Operation +32° to +122°F or 0° to +50°C @ 10% to 90% relative humidity
Enclosure type Aluminum
Enclosure dimensions (English) 1.0" Height x 6.9" Width x 3.0" Length
Enclosure Dimensions (Metric) 2.52 cm Height x 17.50 cm Width x 7.59 cm Length
Product weight 0.36 lbs. or 0.16 kg
Shipping weight 2 lbs. or 1.0 kg
Compliance Certifications FCC Class B, Canadian ICES-003, CE
MTBF 30,000 hours
Warranty 2 years parts and labor

*Specifications are subject to change without notice.