8-Channel Relay Expansion Box

VK248

The VK248 provides Ethernet-to-relay channel connectivity with 8 channels of relay output. It allows users to remotely access relay devices from a PC or any system located anywhere. The complete Telnet CLI commands are fully integrated into users' commercial and industrial applications.

What's more, the VK248 serves as a flexible expansion box of the ATEN Control System, enabling users to control additional equipment, such as screens, projector lifts and blinds, through an ATEN controller in any environments where more devices are required. With the advantage of Ethernet-based connection, the expansion box can be easily connected to controllers via LAN connection from a variety of locations across a network.

Front View

Rear View

Features

- An Ethernet-to-relay channel box ships with 8 channels of relay output
- Supports Power over Ethernet (PoE) or DC power supply
- WebUI provides VK248 system information, including firmware upgrade
- Supports Telnet CLI (command-line interface) mode for third-party system integration
- An expansion solution for connecting more relay channels to ATEN Control System
- Flexible deployment via Ethernet connection
- Works with a connected ATEN controller with ID Switch through instant configuration
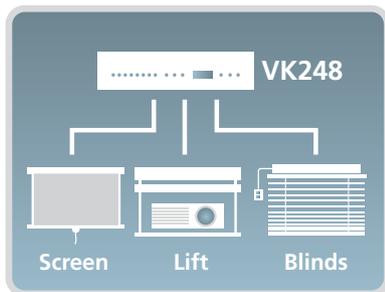
Highlights

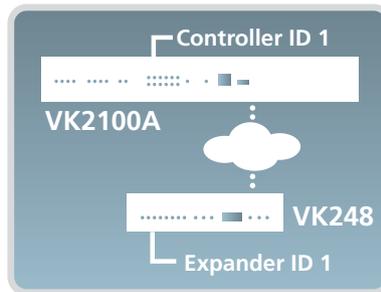|	
PoE Single Cable Installation	The VK248 is built with PoE which supplies power through the same Ethernet cable that connects it to the LAN – eliminating the need of an extra power source and extra wiring. In addition, the VK248 can be powered via a 5 VDC power adapter.
Expansion via Ethernet	With an Ethernet-based connection, the expansion boxes easily install close to the devices you need to control – anywhere across a network to a single controller.

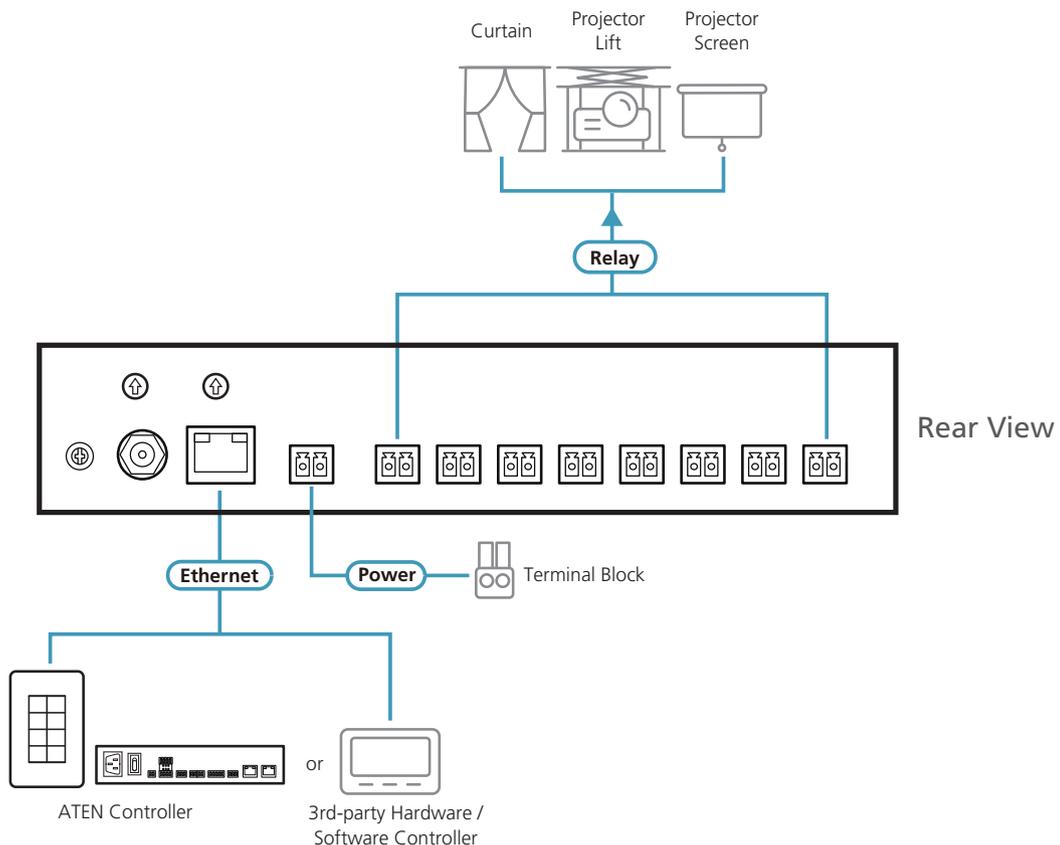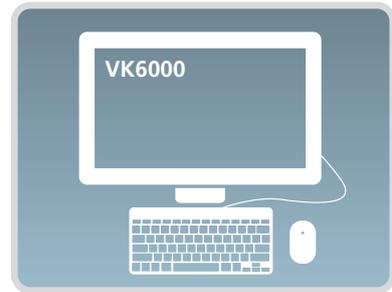|	
DC Power Output	The VK248 has a DC output connector which can provide a total power output of 12 VDC / 300mA max. It allows you to power an AC relay module or other low power consuming device that requires an extra power supply.
Telnet CLI (Command-line Interface) for 3rd Party System Integration	CLI is a text-based interface for users to enter commands. Users are able to handle system settings, sending commands and responding feedback messages via VK248's CLI support. It is the ideal solution to integrate with 3rd party controllers or software systems.

Installation Setup

Connect Hardware

VK248

Screen   Lift   Blinds

Set ID Switches

Controller ID 1

VK2100A

VK248

Expander ID 1

Software Configuration

VK6000

Curtain   Projector Lift   Projector Screen

Relay

Rear View

Ethernet   Power   Terminal Block

ATEN Controller

or

3rd-party Hardware / Software Controller

Specifications

	VK248
Interfaces	
Relay	8 x normally open relays (8 x 2-pole terminal block) Contact Rating: Max 24 VDC, 2A
Ethernet	• 1 x RJ-45 Female, 10/100Base-T • Supported Protocols: ICMP, TCP/IP, DHCP, HTTPS, SSH • DHCP-enabled. The following default IP settings will be used if no IP is assigned within 30 seconds: **IP:** 192.168.0.60 **Subnet Mask:** 255.255.255.0
Switches	
Controller ID	1 x 16-segment Switch
Expander ID	1 x 8-segment Switch
Reset Button	1 x Semi-recessed Pushbutton
USB	1 x USB Type A (Firmware upgrade only)
Power	
Consumption	5 VDC, 10 W (Adapter); 48 VDC, 13 W (PoE, PoE 802.3 AF/AT compatibility)
Output	12 VDC, 300 mA
Environmental	
Operating Temperature	0 – 50 ˚C
Storage Temperature	-20 – 60 ˚C
Humidity	0 – 80% RH, Non-Condensing
Physical Properties	
Housing	Metal
Weight	0.65 kg
Dimensions (L x W x H)	20.00 x 7.58 x 4.20 cm