

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 IEEE 802.1x authentication protocol for enhanced network security
- 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

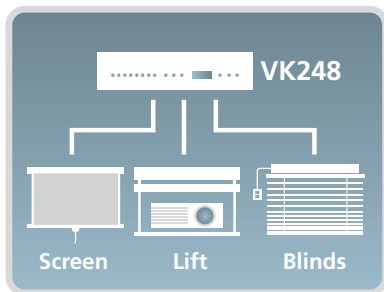
Highlights

<p>PoE Single Cable Installation</p>	<p>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.</p>
<p>Expansion via Ethernet</p>	<p>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.</p>

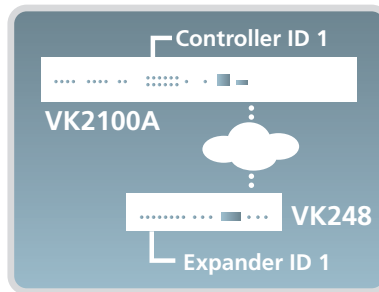
<p>DC Power Output</p>	<p>The VK248 has a DC output connector which can provide a total power output of 12 VDC / 300mA max. It allows you to power an AC relay module or other low power consuming device that requires an extra power supply.</p>
<p>Telnet CLI (Command-line Interface) for 3rd Party System Integration</p>	<p>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.</p>

Installation Setup

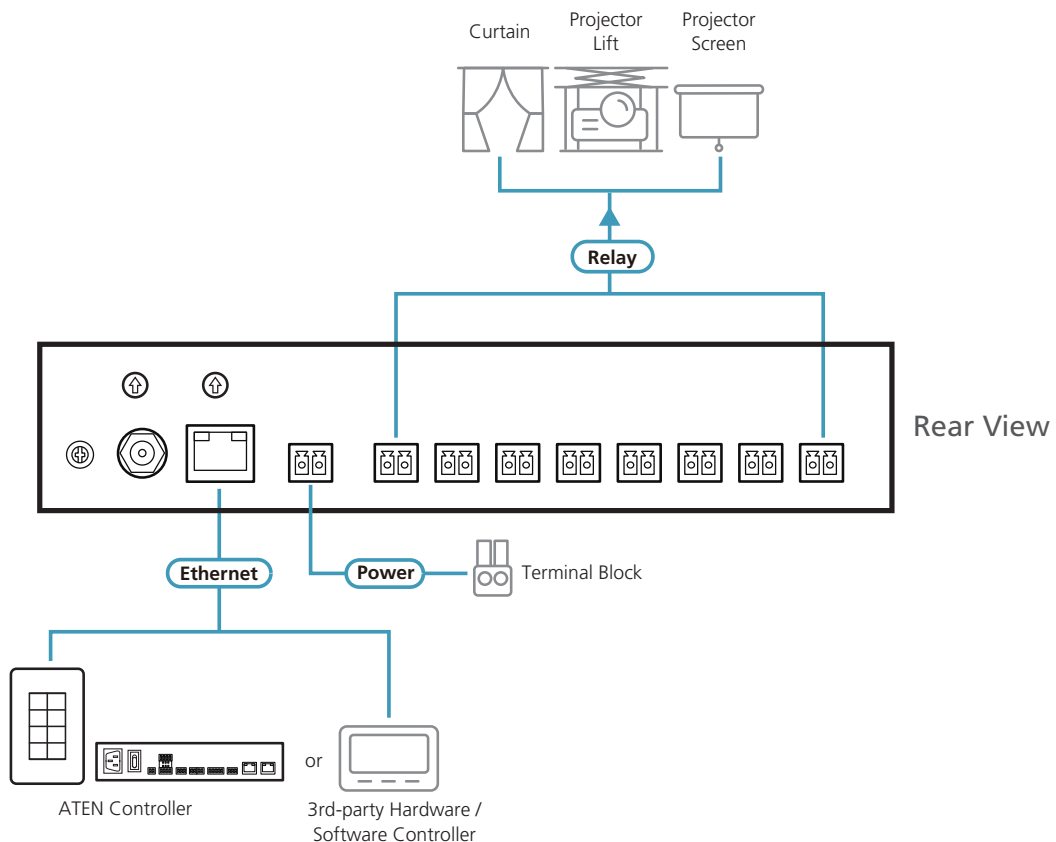
Connect Hardware



Set ID Switches



Software Configuration



Specifications

VK248	
Interfaces	
Relay	8 x normally open relays (8 x 2-pole terminal block) Contact Rating: Max 24 VDC, 2A
Ethernet	<ul style="list-style-type: none"> • 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	DC5V:2.82W:24 DC48V:3.53W:27
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

ATEN International Co., Ltd.

3F., No.125, Sec. 2, Datung Rd., Sijhih District., New Taipei City 221, Taiwan
 Phone: 886-2-8692-6789 Fax: 886-2-8692-6767
 www.aten.com E-mail: marketing@aten.com

Product information is subject to change without prior notice.

Released: 04/2025 V3.0

© Copyright 2025 ATEN® International Co. Ltd.
 ATEN and the ATEN logo are registered trademarks of ATEN International Co., Ltd.
 All rights reserved. All other trademarks are the property of their respective owners.

