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## VK248

8-Channel Relay Expansion Box



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.

### Accessories:

\*The power adapter for this product is sold separately. For more information about this accessory, see [Accessories](#).

### 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

## Specifications

Interfaces	
Relay	<ul style="list-style-type: none"><li>• 8 normally open relays (8 x 2-pole terminal block)</li><li>• Contact Rating: Max 24 VDC, 2A</li></ul>
Ethernet	<ul style="list-style-type: none"><li>• 1 x RJ-45 Female, 10/100Base-T</li><li>• Supported Protocol: ARP, ICMP, TCP/IP, DHCP, HTTPS, SSH</li><li>• 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</li></ul>
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:24BTU/h DC48V:3.53W:27BTU/h  Note: <ul style="list-style-type: none"><li>● The measurement in Watts indicates the typical power consumption of the device with no external loading.</li><li>● The measurement in BTU/h indicates the power consumption of the device when it is fully loaded.</li></ul>
Environmental	
Operating Temperature	0 – 50°C
Storage Temperature	-20 – 60°C
Humidity	0 - 80% RH, Non-Condensing
Power	
Output	12 VDC, 300 mA
Physical Properties	
Housing	Metal
Weight	0.65 kg ( 1.43 lb )
Dimensions (L x W x H)	20.00 x 7.58 x 4.20 cm (7.87 x 2.98 x 1.65 in.)
Note	For some of rack mount products, please note that the standard physical dimensions of WxDxH are expressed using a LxWxH format.

Diagram

