

# 8-Channel Relay Expansion Box

## VK248

- The VK248 8-Channel Relay Expansion Box provides an additional eight channels of relay output for a flexible expansion of the ATEN Control System. This allows users to control additional devices such as screen, projector lifts and blinds in environments where more devices are required. With the advantage of an Ethernet-based connection, the expansion box easily connects to the VK2100 Control Box via a LAN connection from a variety of locations across a network.

Front view



Rear view



## Features

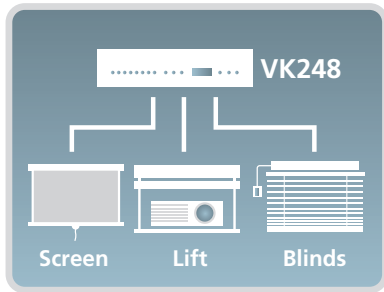
- Provides 8 relay channels to expand the ATEN Control System
- Up to eight VK248 expansion boxes can be added to a single VK2100 Control Box
- Flexible Deployment: Connects to a VK2100 Control Box via an Ethernet connection
- ID Switch pairs the VK248 with a controller to instantly configure the network settings
- Provides DC power to power an AC relay module or other device
- Supports Power over Ethernet (PoE) or DC power supply
- Firmware upgradable through USB or Web interface

## Highlights

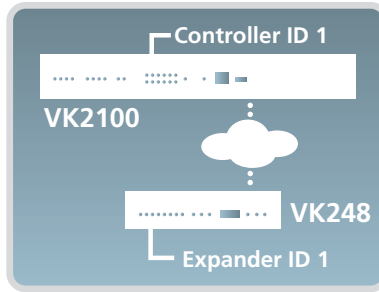
<b>PoE Single Cable Installation</b>	The VK248 is built with PoE which supplies power through the same Ethernet cable that connects it to the LAN – eliminating the need of an extra power source and extra wiring. In addition, the VK248 can be powered via a 5 VDC power adapter.
<b>Expansion via Ethernet</b>	With an Ethernet-based connection, the expansion boxes easily install close to the devices you need to control – anywhere across a network to the VK2100 Control Box.
<b>DC Power Output</b>	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 voltage device that requires an extra power supply.

# Installation Setup

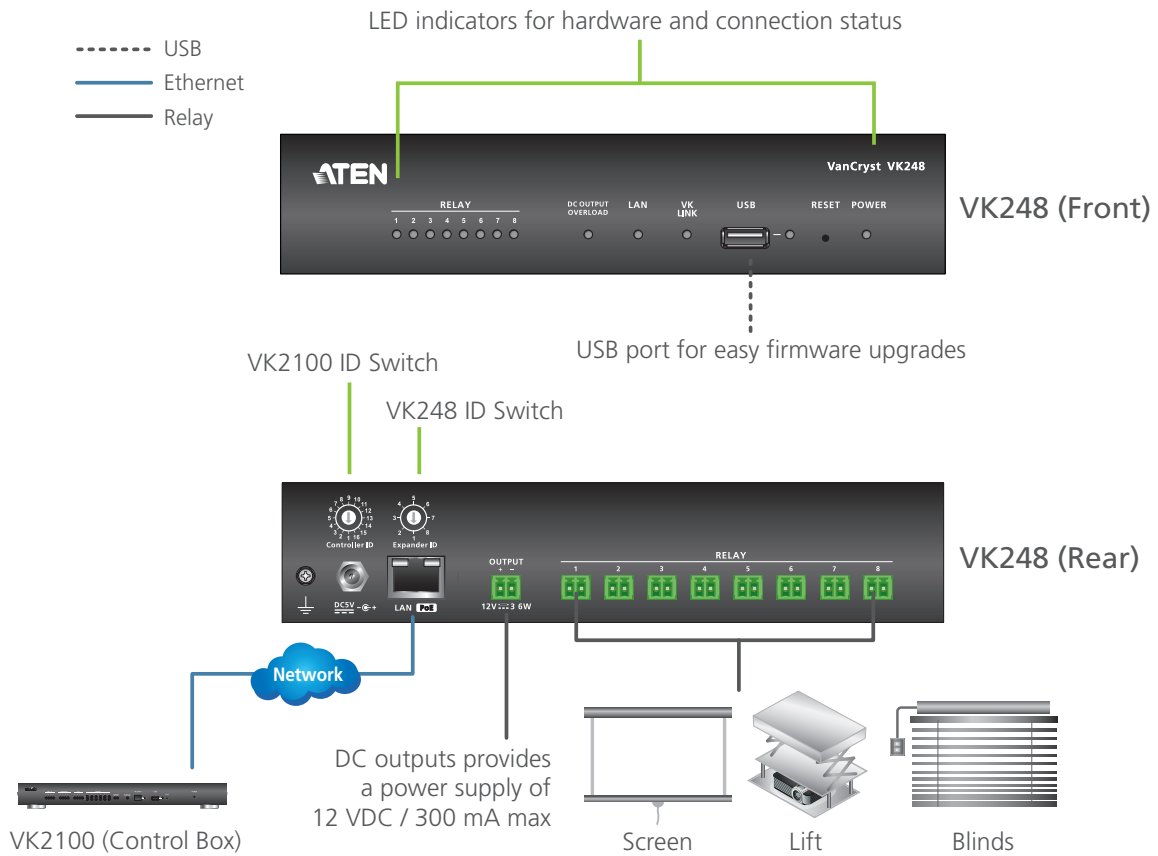
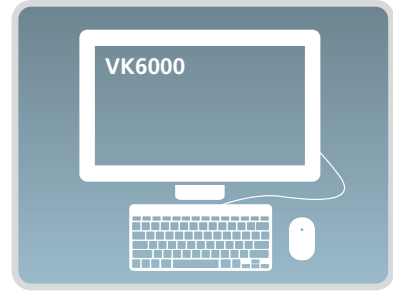
## Connect Hardware



## Set ID Switches



## Software Configuration



## Specifications

Function	VK248
<b>Interfaces</b>	
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"> <li>• 1 x RJ-45 Female, 10/100Base-T</li> <li>• Supported Protocols: 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: <b>IP:</b> 192.168.0.60 <b>Subnet Mask:</b> 255.255.255.0</li> </ul>
<b>Switches</b>	
Controller ID	1 x 16-segment Switch
Expander ID	1 x 8-segment Switch
<b>Reset Button</b>	1 x Semi-recessed Pushbutton
<b>USB</b>	1 x USB Type A (Firmware upgrade only)
<b>Power</b>	
Consumption	5 VDC, 10 W (Adapter); 48 VDC, 13 W (PoE, PoE 802.3 AF/AT compatibility)
Output	12 VDC, 300 mA
<b>Environmental</b>	
Operating Temperature	0° to 50° C
Storage Temperature	-20° to 60° C
Humidity	0 - 80% RH, Non-Condensing
<b>Physical Properties</b>	
Housing	Metal
Weight	0.65 kg
Dimensions (L x W x H)	20.00 x 7.58 x 4.20 cm

