

# 6-Port IR/Serial Expansion Box

## VK236

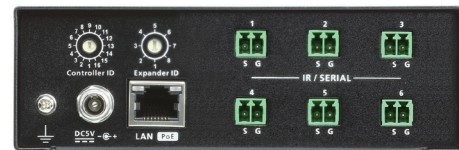
The VK236 provides Ethernet-to-IR/serial connectivity with 6 IR / serial ports. It allows users to remotely access IR / serial devices from a PC or any system located anywhere. The complete Telnet CLI commands are fully integrated into users' commercial and industrial applications.

What's more, the VK236 serves as a flexible expansion box of the ATEN Control System, enabling users to control additional IR / serial devices 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-IR / serial box ships with 6 IR / serial ports
- Supports Power over Ethernet (PoE) or DC power supply
- Supports IEEE 802.1x authentication protocol for enhanced network security
- Supports Telnet CLI (command-line interface) mode for third-party system integration
- Supports Pronto formatted IR codes- IR command codes can be entered in Hex format
- WebUI provides VK236 system information, including firmware upgrade
- An expansion solution for connecting more IR / serial devices to ATEN Control System
- Flexible deployment via Ethernet connection
- Works with a connected ATEN controller with ID Switch through instant configuration

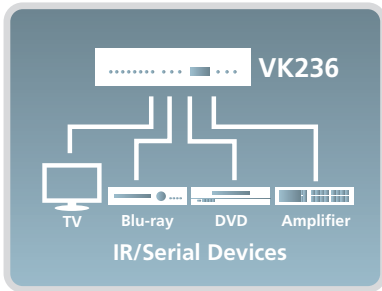
## Highlights

<p><b>PoE Single Cable Installation</b></p>	<p>The VK236 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 VK236 can be powered via a 5 VDC power adapter.</p>
<p><b>Expansion via Ethernet</b></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>

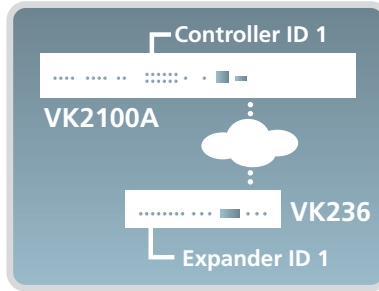
<p><b>Telnet CLI (Command-line Interface) for 3rd Party System Integration</b></p>	<p>CLI is a text-based interface for users to enter commands. Users are able to handle system settings, sending commands and responding feedback messages via VK236's CLI support. It is the ideal solution to integrate with 3rd party controllers or software systems.</p>
<p><b>Pronto Formatted IR Codes</b></p>	<p>The Pronto code is a language describing IR signals, allowing users to enter string codes instead of using IR learning. The codes can be directly entered into VK236 via CLI or VK6000 configurator.</p>

## Installation Setup

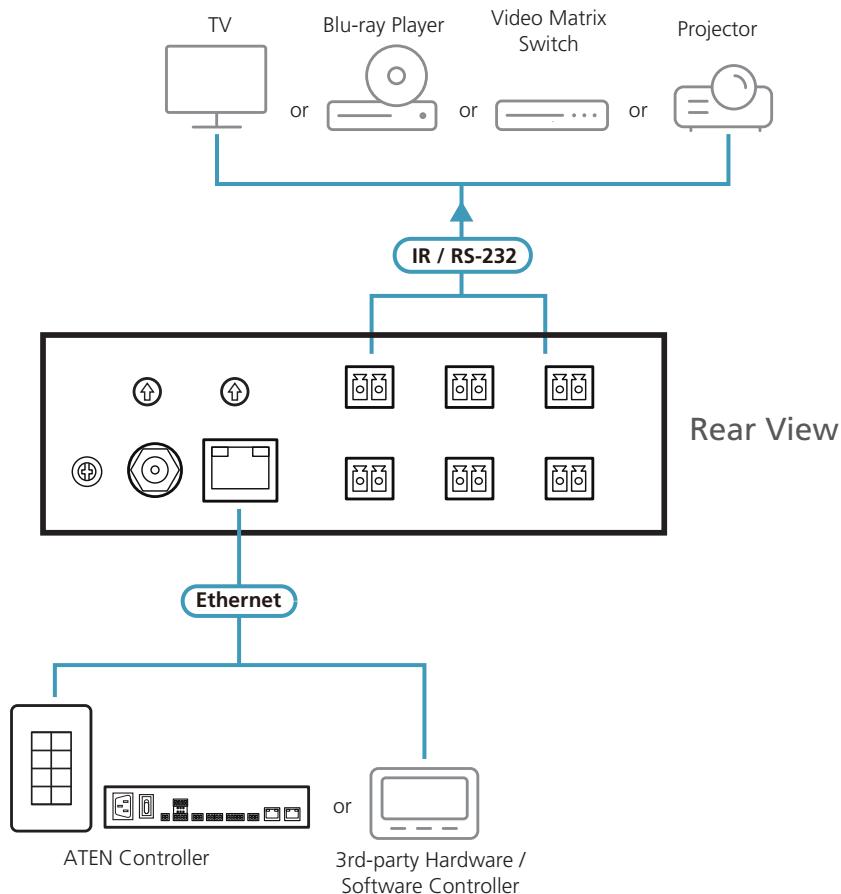
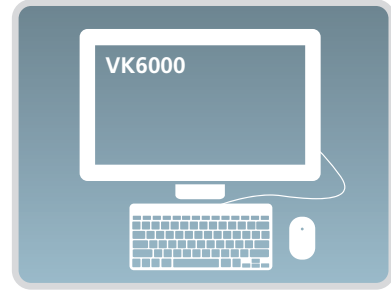
### Connect Hardware



### Set ID Switches



### Software Configuration



## Specifications

VK236	
<b>Interfaces</b>	
IR/Serial	6 x Programmable IR / Uni-directional RS-232 Port (6 x 2-Pole Terminal Block Connector) <b>IR:</b> TTL level (0 to 5 V) – Carrier Frequency: 10KHz~455KHz; <b>Serial:</b> Uni-directional RS-232 ( + - 5 V) – Baud Rate: 300 to 115200 (default: 9600); – Data Bit: 8 (default) or 7; – Stop Bit: 1 (default) or 2; – Parity: None (default), Even or Odd
Ethernet	<ul style="list-style-type: none"> <li>• 1 x RJ-45 Female, 10/100Base-T</li> <li>• Supported Protocol: 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 Consumption</b>	DC5V:1.31W:17 DC48V:1.64W:18
<b>Environmental</b>	
Operating Temperature	0 – 50 °C
Storage Temperature	-20 – 60 °C
Humidity	0 – 80% RH, Non-Condensing
<b>Physical Properties</b>	
Housing	Metal
Weight	0.45 kg
Dimensions (L x W x H)	13.00 x 7.58 x 4.20 cm

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