

6-Port IR/Serial Expansion Box

VK236

• The VK236 6-Port IR/Serial Expansion Box provides six additional IR/Serial ports for a flexible expansion of the ATEN Control System. This allows users to control additional IR/serial devices in an environment where more devices are required. With the advantage of an Ethernet-based connection, the expansion box can be easily connected to the VK2100 Control Box via a LAN connection from a variety of locations across a network.







Features

- Provides 6 IR/Serial ports to expand the ATEN Control System
- Up to eight VK236 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 VK236 with a controller to instantly configure the network settings
- Supports Power over Ethernet (PoE) or DC power supply
- Firmware upgradable through USB or Web interface

Highlights

PoE Single Cable Installation	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.
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 the VK2100 Control Box.

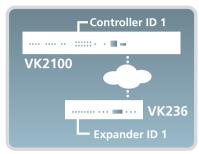


Installation Setup

Connect Hardware



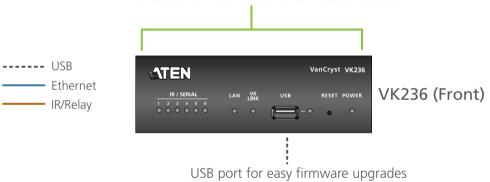
Set ID Switches

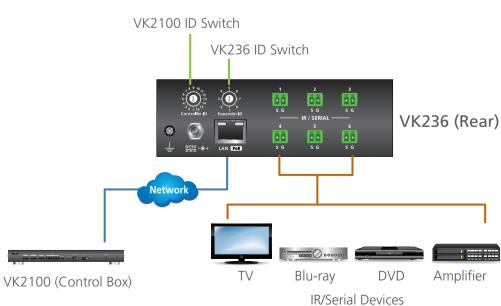


Software Configuration











Specifications

Function	VK236	
Interfaces		
IR/Serial	6 x Programmable IR / Uni-directional RS-232 Port (6 x 2-Pole Terminal Block Connector)	
	IR: TTL level (0 to 5 V)	
	– Carrier Frequency: 10KHz~455KHz;	
	Serial: 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	• 1 x RJ-45 Female, 10/100Base-T	
	Supported Protocol: 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	
Control	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, 8 W(adapter); 48 VDC, 10.5 W (PoE, PoE 802.3 AF/AT compatibility)	
Environmental		
Operating Temperature	0° to 50° C	
Storage Temperature	-20° to 60° C	
Humidity	0 - 80% RH, Non-Condensing	
Physical Properties		
Housing	Metal	
Weight	0.45 kg	
Dimensions (L x W x H)	13.00 x 7.60 x 4.20 cm	





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