

8-Channel Digital I/O Expansion Box VK258

- The VK258 8-Channel Digital I/O Expansion Box provides an additional eight channels of digital input/output for a flexible expansion of the ATEN Control System. This allows users to control more digital I/O devices, such as various sensors, dry contact devices, PCs, and motor-driven devices in environments where more devices need to be centrally controlled. With the advantage of the Ethernet-based connection, the expansion box easily connects to the ATEN Controller via a LAN connection from different locations across a network.

Front view



Rear view



Features

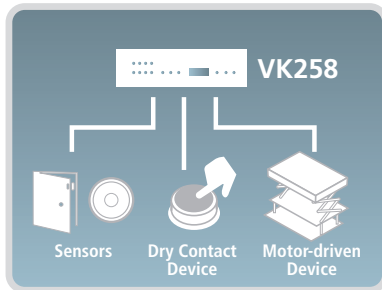
- Provides 8 Digital I/O channels to expand the ATEN Control System
- Up to eight VK258 expansion boxes can be added to a single ATEN Controller
- Flexible Deployment – connects to an ATEN Controller via an Ethernet connection
- ID Switch pairs the VK258 with a controller to instantly configure the network settings
- One DC output allows you to power I/O or other low-voltage devices that require an extra power supply
- Supports Power over Ethernet (PoE) or DC power supply
- Firmware upgradable through USB, firmware upgrade tool, or web interface

Highlights

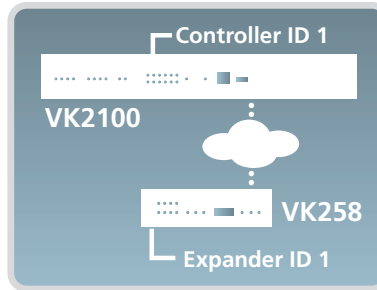
PoE Single Cable Installation	The VK258 is built with PoE which supplies power through the same Ethernet cable that connects it to the LAN – eliminating the need of an extra power source and extra wiring. In addition, the VK258 can be powered via a 5 VDC power adapter.
Expansion via Ethernet	With an Ethernet-based connection, the expansion boxes can be easily installed close to the devices you need to control – anywhere across a network to the ATEN Controller.
DC Power Output	The VK258 is designed with a DC output connector which can provide a total power output of 12 VDC / 300mA max. It allows you to power I/O or other low-voltage devices that require an extra power supply.

Installation Setup

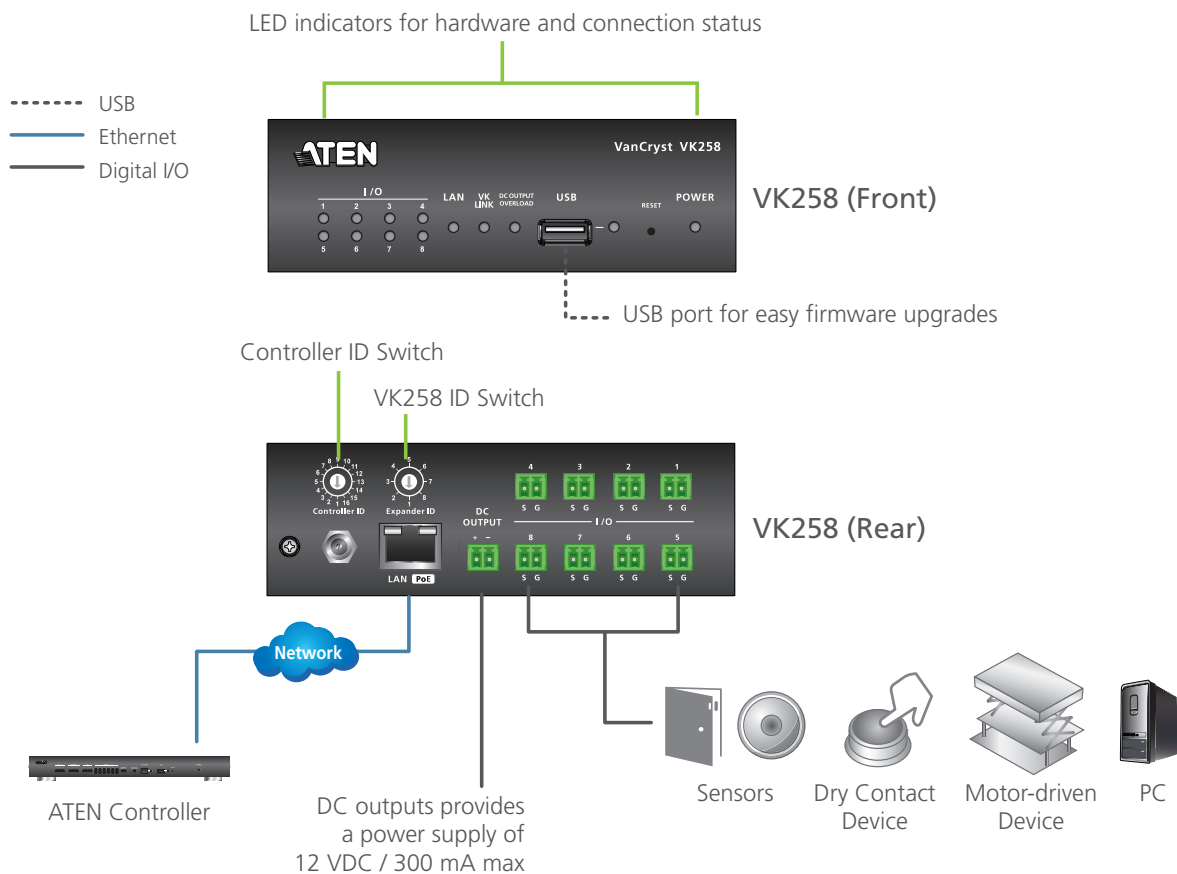
Connect Hardware



Set ID Switches



Software Configuration



Specifications

Function	VK258
Interfaces	
I/O	• 8 x Programmable Digital Input / Output Channel (8 x 2-Pole Terminal Block Connector) Digital Input: – VDC Mode Input Voltage Range: 0 to 24 VDC Programmable Range: 1 to 24 VDC – Dry Contact Mode Pull-up 2k ohms to +12 VDC Digital Output: 300 mA sink from 24 VDC
Ethernet	• 1 x RJ-45 Female, 10/100Base-T • Supported Protocol: ARP, 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:2.2W:36BTU DC48V:2.75W:39BTU
Power	
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	0.46 kg
Dimensions (L x W x H)	13.00 x 7.58 x 4.20 cm

Product information is subject to change without prior notice.

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