

# 8-Channel Digital I/O Expansion Box

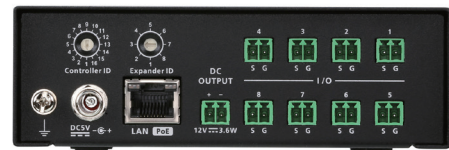
## VK258

- 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

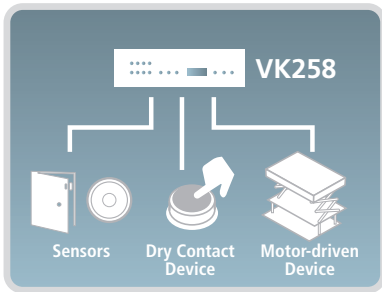
- Provides 8 Digital I/O channels to expand the ATEN Control System
- Up to eight VK258 expansion boxes can be added to a single ATEN Controller
- Flexible Deployment – connects to an ATEN Controller via an Ethernet connection
- ID Switch pairs the VK258 with a controller to instantly configure the network 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

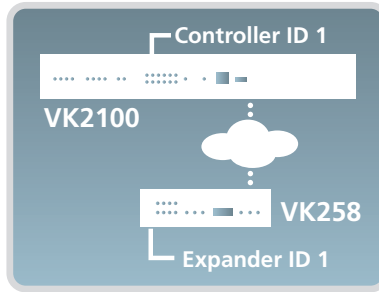
<b>PoE Single Cable Installation</b>	The VK258 is built with PoE which supplies power through the same Ethernet cable that connects it to the LAN – eliminating the need of an extra power source and extra wiring. In addition, the VK258 can be powered via a 5 VDC power adapter.
<b>Expansion via Ethernet</b>	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.
<b>DC Power Output</b>	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

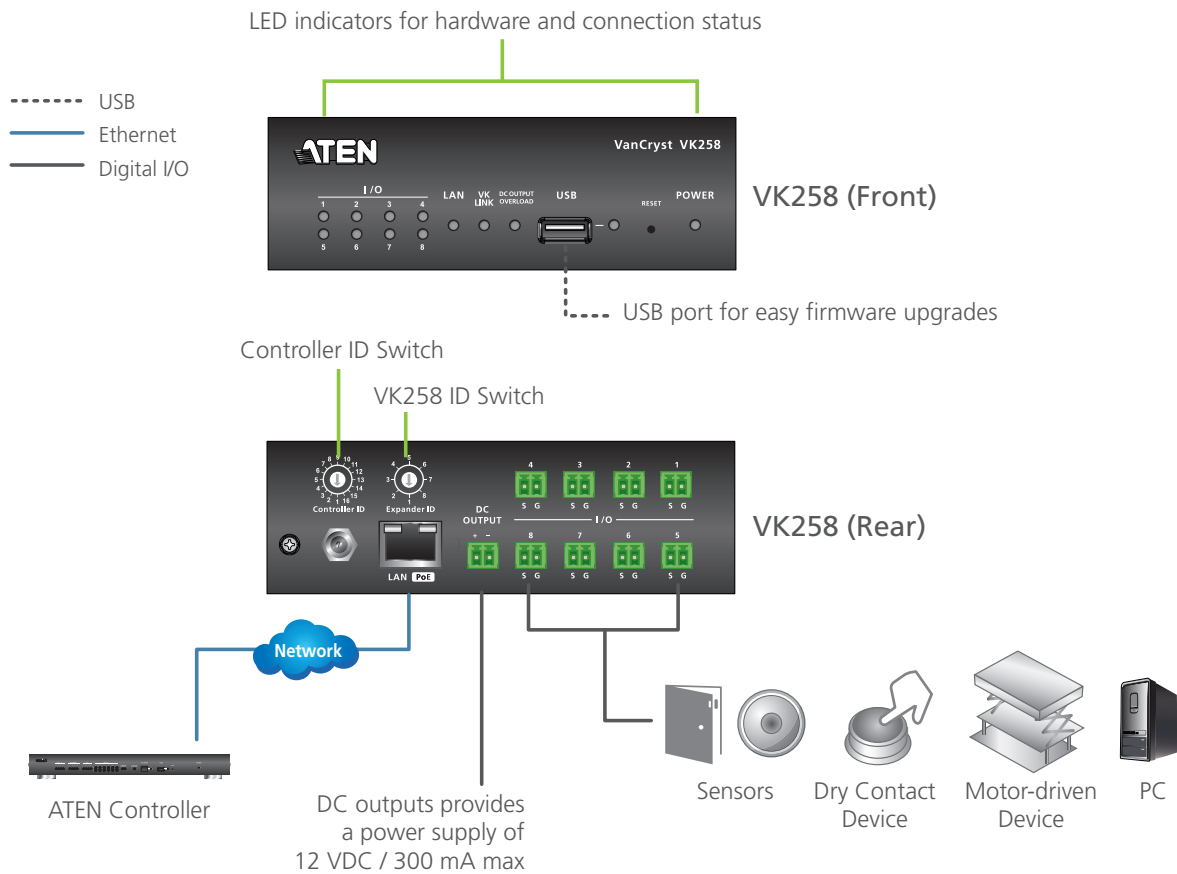
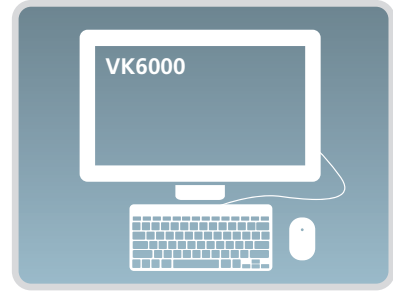
## Connect Hardware



## Set ID Switches



## Software Configuration



# Specifications

Function	VK258
<b>Interfaces</b>	
I/O	<ul style="list-style-type: none"> <li>• 8 x Programmable Digital Input / Output Channel (8 x 2-Pole Terminal Block Connector)</li> </ul> <b>Digital Input:</b> <ul style="list-style-type: none"> <li>- VDC Mode Input Voltage Range: 0 to 24 VDC Programmable Range: 1 to 24 VDC</li> <li>- Dry Contact Mode Pull-up 2k ohms to +12 VDC</li> </ul> <b>Digital Output:</b> <ul style="list-style-type: none"> <li>300 mA sink from 24 VDC</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: <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:2.2W:36BTU DC48V:2.75W:39BTU
<b>Power</b>	
Output	12 VDC, 300 mA
<b>Environmental</b>	
Operating Temperature	0 - 40°C
Storage Temperature	-20 - 60°C
Humidity	0 - 80% RH, Non-Condensing
<b>Physical Properties</b>	
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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Publish Date: 09/2019 V1.0



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