

8-Channel Digital I/O Expansion Box

VK258

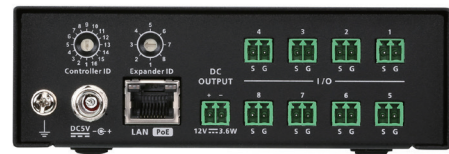
The VK258 provides Ethernet-to-digital I/O connectivity with 8 channels of digital input/output. It allows users to remotely access digital input / output devices from a PC or any system located anywhere. The complete Telnet CLI commands are fully integrated into users' commercial and industrial applications.

What's more, the VK258 serves as a flexible expansion box of the ATEN Control System, enabling 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 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-digital I/O box ships with 8 channels of digital input / output
- Supports Power over Ethernet (PoE) or DC power supply
- WebUI provides VK258 system information, including firmware upgrade
- Supports IEEE 802.1x authentication protocol for enhanced network security
- Supports Telnet CLI (command-line interface) mode for third-party system integration
- An expansion solution for connecting more digital I/O devices to ATEN Control System
- Flexible deployment via Ethernet connection
- Works with a connected ATEN controller with ID Switch through instant configuration

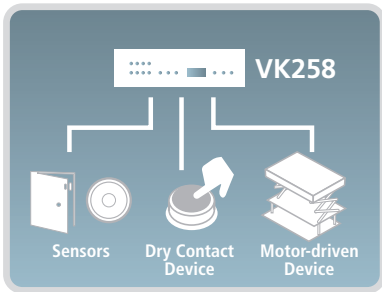
Highlights

<p>PoE Single Cable Installation</p>	<p>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.</p>
<p>Expansion via Ethernet</p>	<p>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.</p>

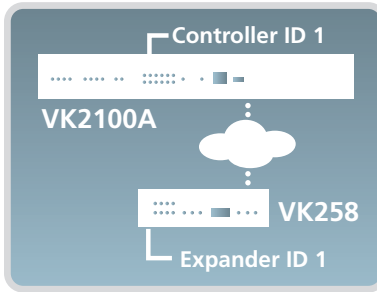
<p>DC Power Output</p>	<p>The VK258 is designed with a DC output connector which can provide a total power output of 12 VDC / 300mA max. It allows you to power I/O or other low power consuming devices that require an extra power supply.</p>
<p>Telnet CLI (Command-line Interface) for 3rd Party System Integration</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 VK258's CLI support. It is the ideal solution to integrate with 3rd party controllers or software systems.</p>

Installation Setup

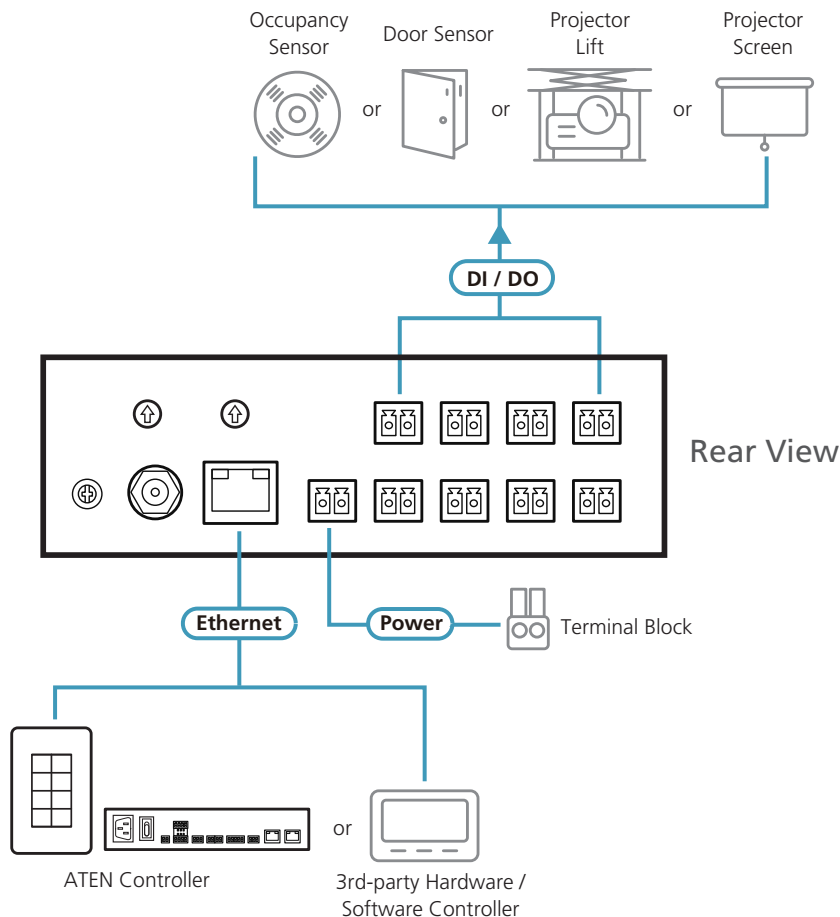
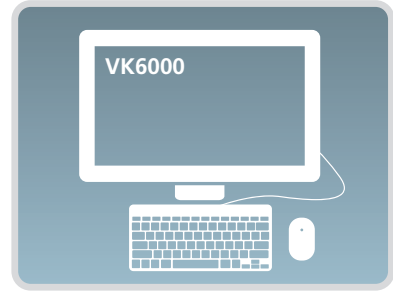
Connect Hardware



Set ID Switches



Software Configuration



Specifications

VK258	
Interfaces	
I/O	<ul style="list-style-type: none"> • 8 x Programmable Digital Input / Output Channel (8 x 2-Pole Terminal Block Connector) <p>Digital Input:</p> <ul style="list-style-type: none"> – 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 <p>Digital Output:</p> <ul style="list-style-type: none"> 300 mA sink from 24 VDC
Ethernet	<ul style="list-style-type: none"> • 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:36 PoE:2.75W:39
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

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