
VK258

8-Channel Digital I/O Expansion Box



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.

Accessories:

*The power adapter for this product is sold separately. For more information about this accessory, see [Accessories](#).

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

Specifications

Interfaces	
I/O	<ul style="list-style-type: none"> • 8 x Programmable Digital Input / Output Channel (8 x 2-Pole Terminal Block Connector) Digital Input: <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 Digital Output: <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:36BTU/h POE:2.75W:39BTU/h Note: <ul style="list-style-type: none"> ● The measurement in Watts indicates the typical power consumption of the device with no external loading. ● The measurement in BTU/h indicates the power consumption of the device when it is fully loaded.
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 (1.01 lb)
Dimensions (L x W x H)	13.00 x 7.58 x 4.20 cm (5.12 x 2.98 x 1.65 in.)
Note	For some of rack mount products, please note that the standard physical dimensions of WxDxH are expressed using a LxWxH format.

Diagram

