

Features

• [VK2100 Control Box](#)

- Supports various interface connections for hardware-software integration and the mobility of control
- 4 x DC outputs for power supply connections
- 1 x USB port for easy profile upload
- Easy ID pairing with Expansion Boxes and Keypads for Ethernet communication
- IR learning function for adding IR device drivers
- Supports native KNX IP for building management systems
- Telnet, TCP, UDP, HTTP, HTTPS, ONVIF, and PJLink compliant
- Supports project file backup
- Web GUI for easy system configuration
- Supports SSH communication for data monitoring
- LED indication of connection and hardware status
- Rack-mountable
- 2 free licenses for mobile control*

Note: If you require more than 2 licenses, contact the local sales representative. For more information on licenses, see Specifications.

• [VK6000 Configurator Software](#)

- Simple profile setup with easy configuration steps via intuitive GUI
 - Customizable GUI to be used on mobile devices and PC
 - Supports [ControlAssist](#) that allows PC control (PC shutdown, media files, PowerPoint files)*
 - Built-in [Database Generator](#) for device driver setup and overall device management
 - Built-in ATEN Library comprising 10,000+ device drivers and complete ATEN VanCryst product drivers
 - Scheduling for repeating events
 - Programming-based Script Editor for complex monitoring scenario handling
 - Two-way communication enables user-defined event monitoring to automatically trigger the next actions
 - Test tool to verify commands in action before uploading the profile to the VK2100 / [VK1100](#) Control Box
 - Simulator to simulate and review the customized GUI before uploading
- *Note: For details on the supported PC control actions, refer to the ATEN Control System User Manual.

• [ATEN Control System App](#)

- Allows administrators central control of multiple rooms via profiles on a mobile device or tablet computer
- Restrict user access to profiles via password authentication
- Synchronization of system controls amongst multiple mobile devices and tablet computers
- Any iOS, Android, or Windows mobile device can be used to control the system – no need to purchase costly exclusive user panels

Specifications

| Interfaces | |
|------------|---|
| IR/Serial | <ul style="list-style-type: none"> • 4 x Programmable IR / Uni-directional RS-232 Port (2 x 4-Pole Terminal Block Connector); IR: TTL level (0 to 5 V) <ul style="list-style-type: none"> – 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 |
| Serial | <ul style="list-style-type: none"> • 4 x Programmable Bi-directional RS-232/422/485 Port (4 x DB9 Male Connector, configurable via pin assignments); <ul style="list-style-type: none"> – 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; – Flow Control: None (default) RTS/CTS • 2 x Bi-directional RS-232 Port (2 x 3-Pole Terminal Block Connector); <ul style="list-style-type: none"> – 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 |
| I/O | <ul style="list-style-type: none"> • 4 x Programmable Digital Input / Output Channel (1 x 5-Pole Terminal Block Connector); Digital Output: <ul style="list-style-type: none"> 250 mA sink from 12 VDC 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 |
| Relay | <ul style="list-style-type: none"> • 4 x Relay Channel (2 x 4-Pole Terminal Block Connector); • Normally open, isolated Relays; • Contact Rating: Max 24 VDC, 2A |

| | |
|----------------------------|---|
| VDC | <ul style="list-style-type: none"> • 4 x 12 VDC Output Port (2 x 4-Pole Terminal Block Connector); • Power Supply: 12 VDC, 2A Max (shared by 4 ports) |
| 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 • Establishes VK2100 connection with the VK6000 (ATEN Configurator) and iPad (ATEN Control System App) |
| USB | 1 x USB Type A |
| Switches | |
| Controller ID | 1 x 16-segment Switch |
| Power | 1 x On/Off Switch |
| IR Learning | 1 x IR Receiver LED |
| Reset Button | 1 x Semi-recessed Pushbutton |
| Power Consumption | AC110V:4.8W:135BTU/h AC220V:5.7W:140BTU/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 | |
| Maximum Input Power Rating | Internal Power: 100-240 VAC, 50-60 Hz |
| Environmental | |
| Operating Temperature | 0 – 50°C |
| Storage Temperature | -20 – 60°C |
| Humidity | 0 - 80% RH, Non-Condensing |
| Physical Properties | |
| Housing | Metal |
| Weight | 2.64 kg (5.81 lb) |
| Dimensions (L x W x H) | 43.72 x 16.32 x 4.40 cm (17.21 x 6.43 x 1.73 in.) |
| License | |
| Basic (free) | 2 free licenses |
| Max. No. Allowed | 16 licenses |
| Note | The ATEN Control Box comes with two free licenses which are stored in the device itself. Each time a mobile device connects to an ATEN Control Box for remote control, one license on the Control Box will be occupied. To purchase and add additional licenses to your ATEN Control Box, contact your local sales representative for more information. |
| Note | For some of rack mount products, please note that the standard physical dimensions of WxDxH are expressed using a LxWxH format. |

Diagram



ATEN International Co., Ltd.

3F., No.125, Sec. 2, Datong Rd., Sijhih District., New Taipei City 221, Taiwan
 Phone: 886-2-8692-6789 Fax: 886-2-8692-6767
 www.aten.com E-mail: marketing@aten.com



© Copyright 2015 ATEN® International Co., Ltd.
 ATEN and the ATEN logo are trademarks of ATEN International Co., Ltd.
 All rights reserved. All other trademarks are the property of their respective owners.