Simply Better Connections

VK1100A

ATEN Control System - Compact Control Box Gen. 2

VK1100A ATEN's 2nd-generation Control Box equipped with a quad-core CPU, Gbps LAN, and 512MB memory size, provides real-time response and status updates and can process complex, high-loading events with customized GUI designs, as well as multiuser access control to connected devices. Its LAN can be connected to ATEN Unizon™, a centralized management platform streamlining daily AV / IT management that provides users with the convenience to monitor, troubleshoot, and maintain multiple systems all at once.

The VK1100A Control Box is designed to easily manage any room setting, and can be deployed into an existing installation environment seamlessly not only with ATEN products, but also nearly any hardware or software device found in a room, including AV equipment, lighting, conference systems, air conditioning, motion sensors, power switches, and many more. VK1100A is the perfect solution for managing mass device deployments such as government agencies, military facilities, corporate organizations, and healthcare institutions.

VK1100A is a part of ATEN's Control System Series, a standard Ethernet-based management system, which consists of hardware, configurator software, control interfaces, and related services, to control any hardware and software devices within a room setting, such as boardrooms and lecture halls, and to provide direct, centralized management effortlessly via user-defi ned GUIs from any mobile device, ATEN Keypad, and Touch Panel.

Features

- High-performance processor embedded with quad-core CPU and 512MB memory for designing and controlling complex projects
- Supports various interface connections for hardware-software integration and mobile device control
- DC outputs for power supply connections
- USB port for easy project upload
- IR learning function for adding IR device drivers
- Web Viewer – integrated with 3rd-party systems or any web-based console for easier room equipment management
- Supports native KNX IP for building management systems
- TCP, UDP, Telnet, HTTP, HTTPS, WebSocket, ONVIF, and PJLink compliant
- Supports Pronto formatted IR codes - IR command codes can be entered in Hex format
- Supports Modbus protocol - enables integration with Modbus devices, including TCP, RTU and its checksum data
- Supports Telnet CLI (command-line interface) mode for third-party system integration
- Supports centralized control and management by ATEN Unizon™
- Supports project file backup
- Web GUI for easy system configuration
- Supports SSH communication for convenient data monitoring
- LED indication of connection and hardware status
- 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.

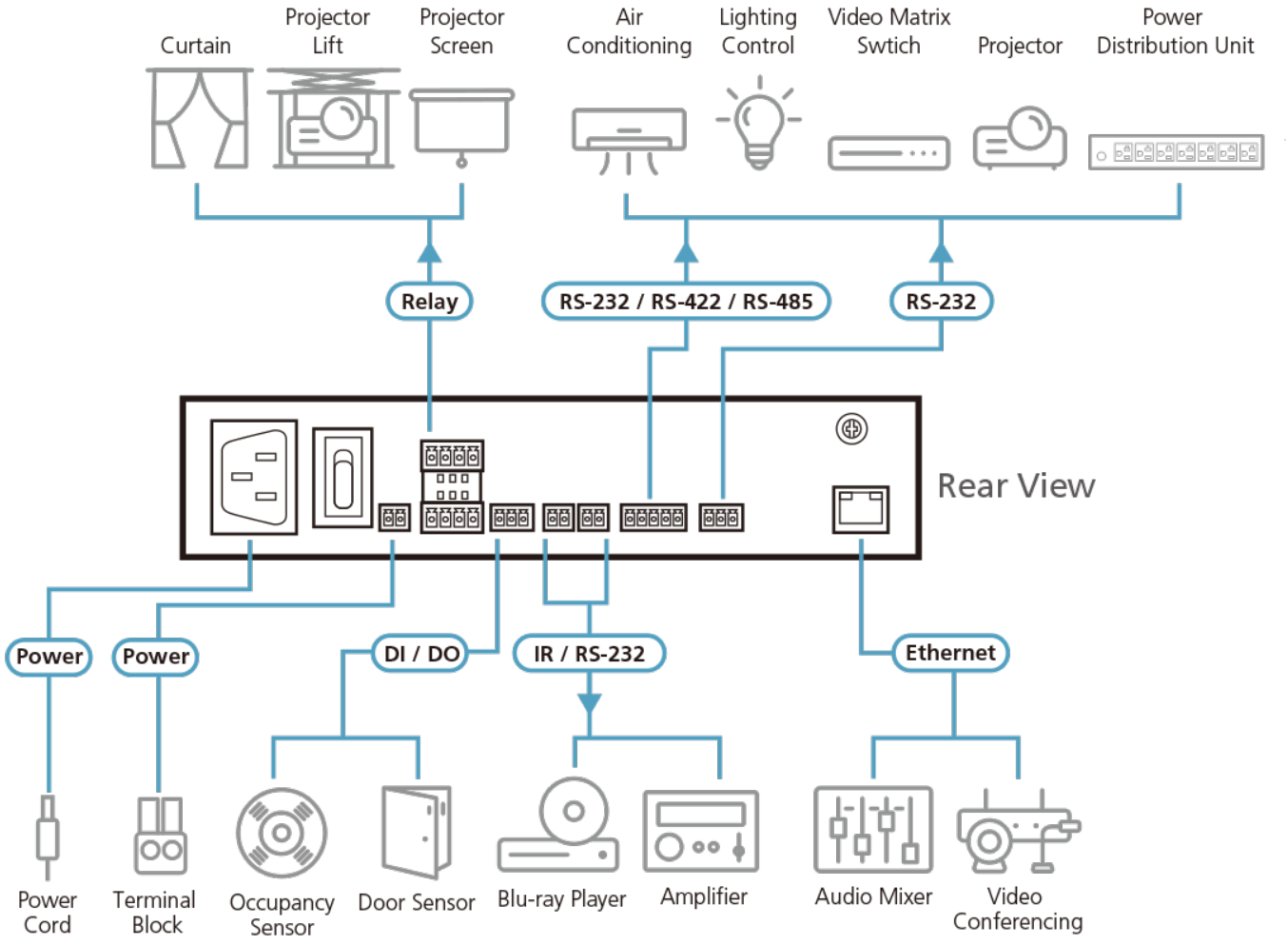
Specification

Memory	
SDRAM	512MB
Flash	8GB
Interfaces	

Serial	• 1 x Programmable Bi-directional RS-232/422/485 Port (1 x 5-Pole Terminal Block Connector, configurable via pin assignments); – 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) or RTS/CTS • 1 x Bi-directional RS-232 Port (1 x 3-Pole Terminal Block Connector); – 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
IR/Serial	• 2 x Programmable IR / Uni-directional RS-232 Port (2 x 2-Pole Terminal Block Connector); IR: TTL level (0 to 5 V) – Carrier Frequency: 10KHz~455KHz; Serial: Uni-directional RS-232 (0 to 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
Relay	• 4 x Relay Channel (2 x 4-Pole Terminal Block Connector); • Normally open, isolated Relays; • Contact Rating: Max 24 VDC, 2A
I/O	• 2 x Programmable Digital Input / Output Channel (1 x 3-Pole Terminal Block Connector); Digital Output: 300 mA sink from 24 VDC 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
Ethernet	• 1 x RJ-45 Female, 10/100/1000Base-T • Supported Protocol: ARP, ICMP, TCP/IP, DHCP, HTTPS, SSH • DHCP mode - 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
VDC	• 1 x 12 VDC Output Port (1 x 2-Pole Terminal Block Connector); • Power Supply: 12 VDC, 1A Max
USB	1 x USB Type A
Switches	
Power	1 x On/Off Switch
IR Learning	1 x IR Receiver LED
Reset Button	1 x Semi-recessed Pushbutton
Power Consumption	AC110V:4.3W:82BTU/h AC220V:4.5W:83BTU/h Note: ● 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	100-240 V AC, 50-60 Hz, 1A
Environmental	
Operating Temperature	0 – 50°C
Storage Temperature	–20 – 60°C
Humidity	0 - 80% RH, Non-Condensing
Physical Properties	
Housing	Metal

Weight	1.19 kg (2.62 lb)
Dimensions (L x W x H)	20.00 x 16.41 x 4.40 cm (7.87 x 6.46 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