VK1200

ATEN Control System - Compact Control Box Gen. 2 with Dual LAN

VK1200, ATEN's second-generation Control Box, boasts the highest performance processor within the series. Equipped with a quad-core CPU and 1 GB memory, VK1200 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. VK1200 features dual, isolated LAN ports – Control LAN and LAN. The Control LAN allows managed devices to be securely protected within a separate network, independent from the corporate network, for fulfilling high-security and stability demand. On the other hand, the LAN can be connected to ATEN Unizon, a centralized platform streamlining daily AV / IT management, which provides users with the convenience to monitor, troubleshoot, and maintain multiple systems all at once.

The VK1200 Control Box can be used to easily manage any room setting, and can be deployed into an existing installation by seamless integration with ATEN ProAV products, as well as 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. VK1200 is the perfect solution for managing mass device deployments especially in strict security settings with high performance requirements, such as government agencies, military facilities, corporate organizations, and healthcare institutions.

VK1200 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-defined GUIs from any mobile device, ATEN Keypad and Touch Panel.

Features

- VK1200 Control Box with Dual LAN
  - High performance processor embedded with quad-core CPU and 1 GB memory for designing and controlling complex projects
  - Dual, isolated LAN for secured communication among IT devices
  - Supports various interface connections for hardware-software integration and mobile device control
  - DC outputs for power supply connections
  - USB port for easy project upload
  - LCD display shows the option for configuration and information display
  - 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 IEEE 802.1x authentication protocol for enhanced network security
  - Supports SNMP and enables IT management software to retrieve information from ATEN controllers
  - Supports native KNX IP for building management systems
  - TCP, UDP, Telnet, SSH, 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 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.

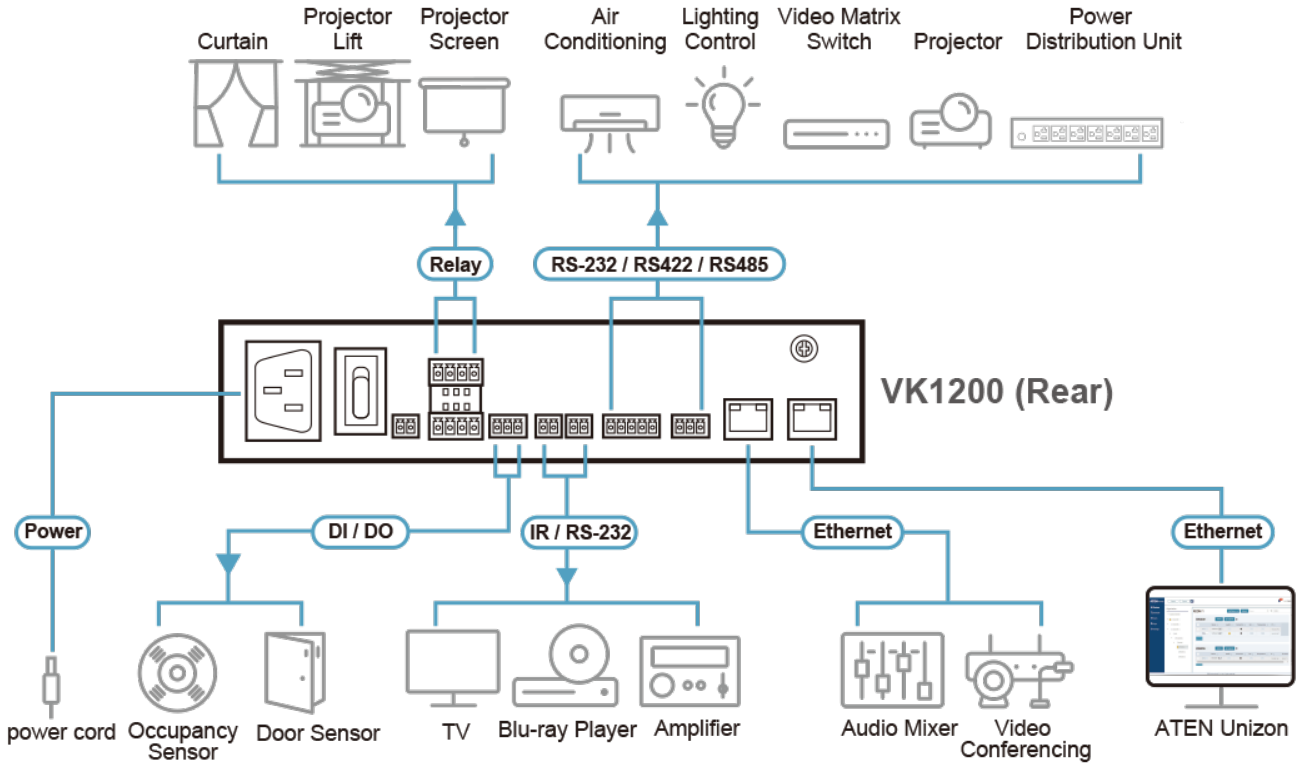
Specification

Memory	
SDRAM	1GB
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	• 2 x RJ-45 Female, 10/100/1000Base-T • Supported Protocol: ARP, ICMP, TCP/IP, DHCP, HTTPS, SSH Control LAN: • Support DHCP Server • 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 LAN: • DHCP mode - The following default IP settings will be used if no IP is assigned within 30 seconds: IP: 192.168.1.60 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
Panel Spec	
Size	1.6"
Resolution	128X64
Pushbuttons	
Select	3 x Pushbuttons (Up, Down, Enter)
Reset Button	1 x Semi-recessed Pushbutton
Power Consumption	AC110V:4.7W:81BTU/h AC220V:4.5W:81BTU/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	1.23 kg (2.71 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	32 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



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