

# **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	Memory		
SDRAM	1GB		
Flash	8GB		
Interfaces	Interfaces		



BRSerall       2.9 Programmable IIIP Ulu-diversional PS-282 Prof.         BRSerall       2.9 Programmable IIII Ulu-diversional PS-282 Prof.         BRSerall       2.9 Prof. Programmable IIIP Ulu-diversional PS-282 Prof.         BRSerall       1.9 Prof. Prof. Programmable IIII Ulu-diversional PS-282 Prof.         BRSerall       1.9 Prof.	Serial	<ul> <li>1 x Programmable Bi-directional RS-232/422/485 Port</li> <li>(1 x 5-Pole Terminal Block Connector, configurable via pin assignments);</li> <li>Baud Rate: 300 to 115200 (default: 9600);</li> <li>Data Bit: 8 (default) or 7;</li> <li>Stop Bit: 1 (default), Even or Odd;</li> <li>Parity: None (default), even or Odd;</li> <li>Flow Control: None (default) or RTS/CTS</li> <li>1 x Bi-directional RS-232 Port</li> <li>(1 x 3-Pole Terminal Block Connector);</li> <li>Baud Rate: 300 to 115200 (default: 9600);</li> <li>Data Bit: 8 (default) or 7;</li> <li>Stop Bit: 1 (default) or 7;</li> <li>Stop Bit: 1 (default) or 2;</li> <li>Parity: None (default), Even or Odd</li> </ul>
• Normalty open, isolated Relays;           00         • 2x Programmable Digital Input / Output Channel (1 x 5-Poin Terminal Book Connector);           00         • 2x Programmable Digital Input / Output Channel (1 x 5-Poin Terminal Book Connector);           00         • 2x Programmable Digital Input / Output Channel (1 x 5-Poin Terminal Book Connector);           00 ma ain Kome V VOC Digital Input:         • VOC Mode Input Votage Range: 10 24 VOC;           00 ma ain Kome V VOC Digital Input:         • VOC Mode           01 Values Distance:         • VOC Mode           02 Mode State Mode         • Pulk-go Ximmab • 12 VOC           02 Mode State Mode         • Pulk-go Ximmab • 12 VOC           02 Support PM Color APP (CMP, TOPAP, DHOP, HTTPS, SSH Control LAk:         • Support DM Color Mode           03 Support PM color APP (CMP, TOPAP, DHOP, HTTPS, SSH Control LAk:         • Support DM Color Mode           04 DHOP mode - The following default IP settings will be used if no IP is assigned within 30 seconds:         • DHOP mode           04 DHOP mode - The following default IP settings will be used if no IP is assigned within 30 seconds:         • DHOP mode           04 DHOP mode - The following default IP settings will be used if no IP is assigned within 30 seconds:         • DHOP mode           9 Normatic Mode - The following default IP settings will be used if no IP is assigned within 30 seconds:         • DHOP mode           9 Nore Mode - The following default IP settings will b	IR/Serial	(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;
I (x 3-Pike Terminal Block Connector);         Digital Output:         Solital Asiak term 24 VDC;         - VCD, Mode         I void Solital Asiak term 24 VDC;         - VCD, Mode         Programmale Brance: 11: 24 VDC;         - VDD, Mode         Programmale Brance: 11: 24 VDC;         - VDD, Mode         Programmale Brance: 11: 24 VDC;         - VDD, Outract Mode         Pull-up 24 others there and those:         Solital Asia: 25: 255: 255: 00         Control LAN:         Subport Barbore of the Or Solital Postings will be used if no IP is assigned within 30 seconds:         Prive:       Pission Bolital Solitation default IP settings will be used if no IP is assigned within 30 seconds:         Prover       1 x 12 VDC Output Port (1 x 2-Pole Terminal Block Connector);         Power Suppi': 12 VDC Output Port (1 x 2-Pole Terminal Block Connector);         Power Suppi': 12 VDC Output Port (1 x 2-Pole Terminal Block Connector);         Power Suppi': 12 VDC Output Port (1 x 2-Pole Terminal Block Connector);         Power Suppi': 12 VDC Output Port (1 x 2-Pole Terminal Block Connector);         Power Suppi': 12 VDC Output Port (1 x 2-Pole Terminal Block Connector);         Power Suppi': 12 VDC Output Port (1 x 2-Pole Terminal Block Connector);         Power Suppi': 12 VDC Output Port (1 x 2-Pole Terminal Block Connector);	Relay	Normally open, isolated Relays;
supported Protoco: ARP, ICMP, TCP/IP, DHCP, HTTPS, SSH Control LAN: Support DHCP Server         Support DHCP Server         DHCP mode - The following default IP settings will be used if no IP is assigned within 30 seconds: IP: 192: 183. 0.60 Submet Mats: 255. 255. 255. 0         VDC       1 x 12 VDC Output Port (1 x 2-Pole Terminal Block Connector); Prower Supply: 12 VDC, 1A Max         USB       1 x USB Type A         Switches       1 x USB Type A         Switches       1 x OrOff Switch         Power       1 x IR Receiver LED         Panel Spec       1 convolt Switch         Size       1.6"         Resolution       1 28X64         Pashbuttors       1 x Seni-recessed Pushbutton         Select       3 x Pushbuttons (Up, Down, Enter)         Resolution       1 x Seni-recessed Pushbutton         Power       1 x Seni-recessed Pushbutton         Power       1 x Seni-recessed Pushbutton	ΙΟ	(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
• Power Supply: i2 VDC, iA Max         USB       1 x USB Type A         Switches         Power       1 x On/Off Switch         IR Learning       1 x IR Receiver LED         Panel Spec	Ethernet	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
Switches       Power     1 x On/Off Switch       IR Learning     1 x IR Receiver LED       Panel Spec	VDC	
Power       1 x On/Off Switch         IR Learning       1 x IR Receiver LED         Panel Spec	USB	1 x USB Type A
IR Learning       1 x IR Receiver LED         Panel Spec	Switches	
Panel Spec         Size       1.6"         Resolution       128X64         Pushbuttons	Power	1 x On/Off Switch
Size       1.6"         Resolution       128X64         Pushbuttons	IR Learning	1 x IR Receiver LED
Resolution       128X64         Pushbuttons	Panel Spec	
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 AC220V:4.5W:81B	Size	1.6"
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.	Resolution	128X64
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.	Pushbuttons	
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.	Select	3 x Pushbuttons (Up, Down, Enter)
Consumption AC220V:4.5W:81BTU/h Note: • The measurement in Watts indicates the typical power consumption of the device with no external loading.	Reset Button	1 x Semi-recessed Pushbutton
• The measurement in Watts indicates the typical power consumption of the device with no external loading.		
		<ul> <li>The measurement in Watts indicates the typical power consumption of the device with no external loading.</li> </ul>

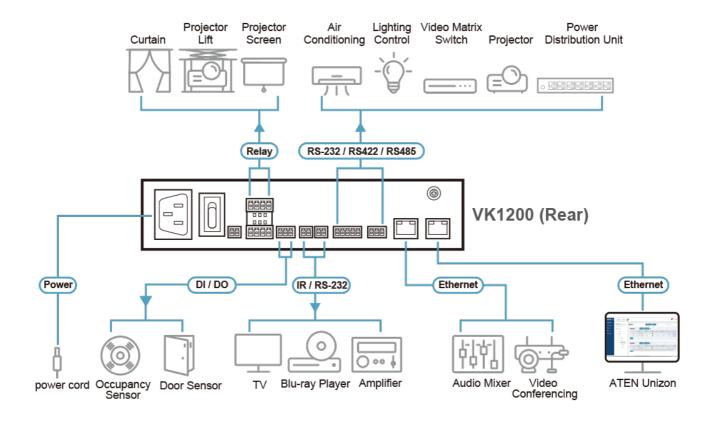


Maximum Input Power Rating	100-240 V AC, 50-60 Hz, 1A		
Environmental	Environmental		
Operating Temperature	0 – 50°C		
Storage Temperature	-20 - 60°C		
Humidity	0 - 80% RH, Non-Condensing		
Physical Propertie	Physical Properties		
Housing	Metal		
Weight	1.23 kg ( 2.71 lb )		
Dimensions (L x W x H)	20.00 x 16.41 x 4.40 cm (7.87 x 6.46 x 1.73 in.)		
License	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

# 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.