AC-525

Video Integrated Networked Access Controller

AC-525 is a highly advanced networked control panel that offers unified Access Control and Digital Video Recording at MPEG-4 format and web server components.
This fully featured Access Controller manages 30,000 users across two doors (expandable up to 4 doors). The digital Video Server component supports 2 analog cameras with PTZ, and voice, web server and a local DVR using USB storage device. This cost effective 2-in-1 cuts down integration and installation costs and is easy to configure and operate.

General Description

The system features a powerful ARM9-based architecture with DSP, which is a leading technology video chipset including a web server and DVR running on Embedded Linux OS.

All panel features can be accessed with a single Ethernet port and IP Address, and each panel is expandable by an additional 2-door module (MD-D02) or 8/4 input/output module (MD-IO84).

USB storage devices can be connected for high capacity local DVR on the edge.

Multiple panels are managed using Rosslare's modular and scalable client / server software AS-525 AxTrax for Access Control Management and ViTrax for NVR Management, storage and Surveillance.

Main Features

- Compact full featured integration with complete 2-door physical access control interface including 2 channels of digital multimedia. Install less hardware units, which are dedicated to both fields.

- Advanced, fully featured Access Control and analog cameras integration to trigger video recording upon any event in the access control panel.

- Compatible with almost any type of Analog Cameras, Microphones and Speakers for Video and Voice recording and real-time monitoring.

- Supports ISO Standard MPEG-4 IPP video streaming. For connecting to remote NVR hardware or software

- Supports USB based storage for Edge DVR

- Embedded Linux OS Based web server lets you access the web-server with IE Browser

- Available with custom lockable housing with sounder, AC/AC transformer with space for up to 7Ah Sealed Lead-Acid Backup Battery.

OPTIONS FOR EDGE DATA STORAGE

- On-Board pre-alarm and post event timers and custom recording preferences.

- On–Board USB 2.0 connection for external USB 2.0 compliant flash drive or Hard Disk for Edge DVR.

APPLICATIONS

- Perfect for educational, financial, commercial, health, transportation, military and many other applications

- Audio Visual Intercom & Video Verification of Access Control

- Remote LAN / WAN Video Surveillance and Digital Multimedia Recording

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General Specifications

PC Server Software	For AS-525 AxTrax™ and AS-525AV ViTrax™ Client/Server Platforms
• **Operating System:**	Microsoft® Windows® XP – for both Server & Client PCs
• **PC Minimum Requirement:**	Pentium IV 3.0GHz / 512 MB RAM / CD or DVD RW/ 100 MB HDD Space / 100 MBps TCP/IP LAN Card / RS232 D9 Serial Ports.
• **Database:**	Microsoft® MS SQL Server & Proprietary Multimedia Data Server

Panel Features- Access Control	
• **Supports Multiple Reader Modes:**	2 Reader interface ports with Tamper and LED control, expandable to 4 doors using MD-D02 expansion unit
• **Relay Outputs**	4 Form-C 5 Amp Relays (expandable with up to 4 outputs and 8 inputs with MD-IO84 IO expansion unit)
• **Analog Inputs**	4 On-board EOL supervised Analog Inputs
• **Serial Communication**	1 On-board RS-485 Port for direct sub-networking
• **TCP/IP Ethernet Adapter**	On-Board 10/100 MBPS Ethernet Port
• **Event log size**	20,000 history events per panel
• **User Capacity:**	30,000 Users associated in logical Groups
• **Networking:**	Up to 1023 Networked Panels per AxTrax PC Server: Supports TCP/IP Sub-networks over LAN /WAN – Drivers Included, Supports PSTN Modem, and RS485 Sub-networks.
• **Time Zones:**	Up to 32 Time Zones can be assigned to Access / Reports / Update
• **Holidays:**	Up to 64 Holiday Dates

Panel Features- Digital Video	
• **2-Analog Video Inputs**	2 Encoders on-board that stream MPEG-4 at up to 30 fps / single channel in D1 Resolution or 8 fps for 2 Channels at D1 Resolution, scalable down to QCIF.
• **PTZ controls**	2 Local PTZ serial ports
• **Audio Inputs**	2 Analog mono microphone inputs
• **USB Port**	USB 2.0 supports Flash drives USB Disk for Edge DVR
• **Embedded Linux**	Web Server to view and configure the Video Server using IE

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System Components

The system supports Rosslare's MD-D02 2-door expansion, MD-IO48 IO Expansion, wide range of readers on standard Wiegand communications and different types of accessories.

Additional Information

The AC-525 is a high-quality electronic product developed and manufactured under ISO9001:2000.
It is covered by the RSP 2-year Limited Product Warranty.
Please visit our website for documentation and sales information: http://www.rosslaresecurity.com/