AX.S SERIES Embedded Access Control

Access Manager

AM524

OVERVIEW

The Web-based AM524 includes an embedded access control application for system administration, user setup and event viewing that is accessed via any standard Web browser over a 10/100 Mbps Ethernet network.

The AM 524 supports from one to 24 readers using supporting Door Units. The flexibility of a modular design while supporting local power to connected readers makes the AM524 easy to install.

The AM524 supports all standard access control readers utilizing an RS485 and Wiegand data connection through connected Door Units.

Supporting RS485 communication between modules, the AM524 provides a scalable solution by simply adding additional Door Units. Up to twelve Door Units connect to an AM524 module, with each supporting two reader connections, for a total of 24 readers. Up to four Access Managers can communicate in a cluster configuration, providing for expansion and administration of up to 96 readers.

STANDARDS SUPPORT

The AM524 was developed around open standards supporting SOAP/REST Web Service communication for easy integration, XML data format and platform-independent Java application software. The integrated Web server and embedded access control application allow for easy access and setup via any Web browser. This eliminates the need for traditional PC-based servers and client-side administration software.

EASY TO USE

To access the embedded access control application, simply select a network-connected AM524 under Network devices within Windows (UPnP) or type in the IP address of an AM524 directly into any Web browser, log in to the system and the application menu is displayed. The Access Manager activity tables are easily accessed via the Web interface. All activity such as access requests and system events are stored in an XML events log.

Features
- Up to 24 readers locally, 96 readers clustered
- Access and system status reporting
- 10/100 Mbps Ethernet connection
- Embedded access control application software
- Administration through standard Web browser
- RS485 communication with Door Units
- Upload configuration and events data to FTP/SCP host
- Built-in Web server
- Alert notification via e-mail
- Universal plug and play (UPnP)
- SOAP/REST Web Service support
- Local 30,000 users/40,000 events
- Supports all standard readers

Compatibility

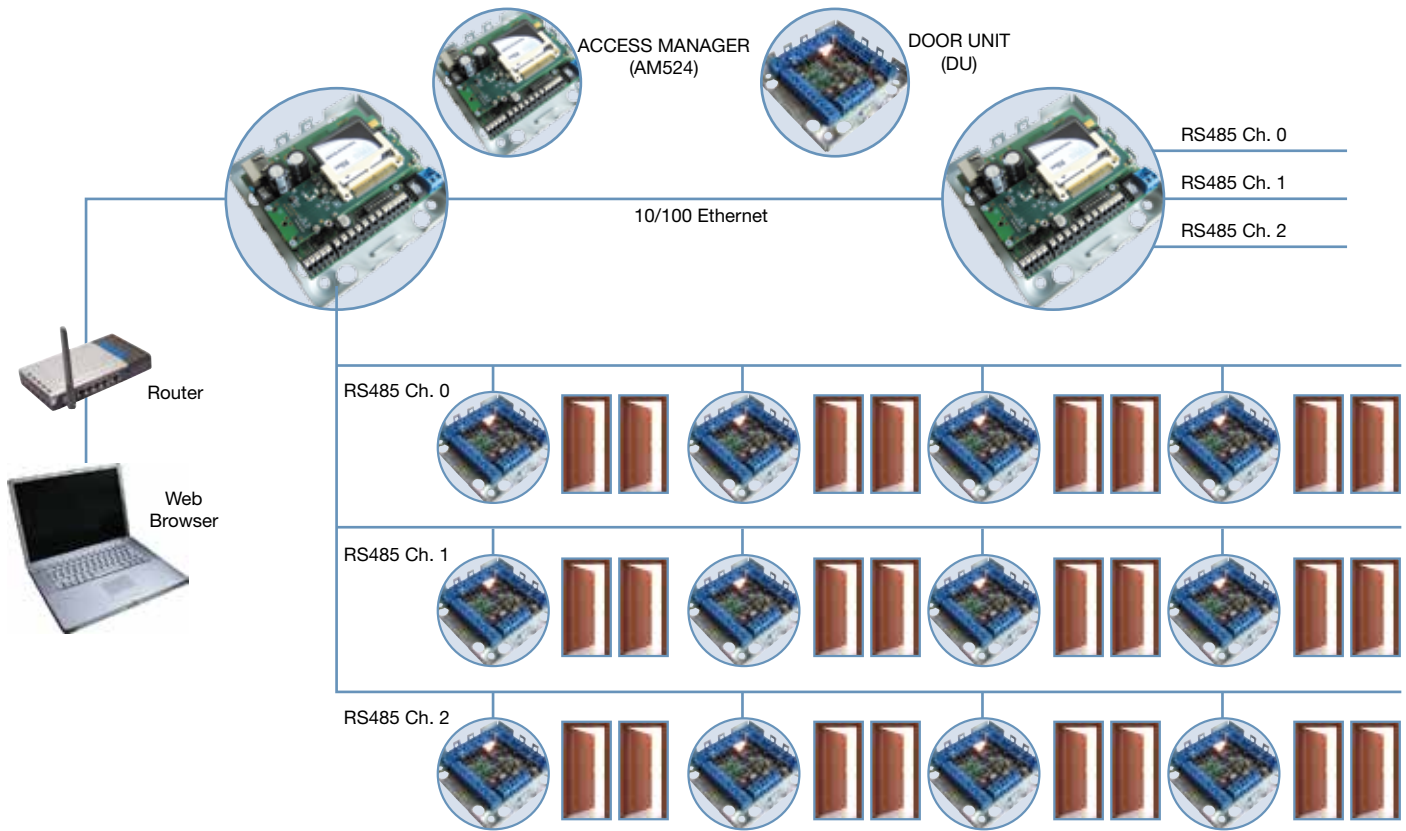The AM524 supports all standard access reader types:
- Fingerprint Key (Kaba I.AM)
- HID proximity
- HID iCLASS
- AWID
- Legic
- MIFARE
- EM
- Hitag
- Smart card

ISO 15693/ISO 14443A

SPECIFICATIONS

External Readers ....Fingerprint Key (Kaba I.AM), HID, AWID, Legic, MIFARE, EM, Hitag, SC ISO 15693/ISO 14443A

Internal Readers.........................Legic

Access Points.............................Up to 24 readers locally, 96 readers clustered

Protocols.....................................TCP/IP, DHCP, TFTP, ICMP, IPv4, HTTP, HTTPS, SSL, FTP, SNMP

Mechanical..................................Metal mount plate with plastic snap cover (standard) // Rear, side cover access for cable connections

Mounts in standard third-party locking enclosures

Installation..................................Environmentally controlled areas

Power...Input: 12 to 24 VDC (24 VDC recommended) // Load: 250 mA 12 VDC

Dimensions..................................4.7 x 4.7 x 1.5 in (120 x 120 x 40 mm) with enclosure

Packaged Weight .... .80 lb (363 g)

Operating Temperature............32 to 104 °F (0 to 40 °C)

Relative Humidity ....0 to 85%, non-condensing

Interface......................................Reader (selectable): 2 x RS485, 2 x Wiegand. Alarm Interface Unit: 1 dedicated

I/O (configurable): 6 x inputs, 5 x outputs, 2 x relays (Form C)

DC Power: 12 to 24 VDC in, 2 x 12 VDC out to readers

Access Manager Interface ....Controller: Ethernet 10/100 Mbps, 3 x RS485 (Door Unit channels), USB Expansion Bus

Door Unit Interface....................DC Power: 12 to 24 VDC in, 2 x 12 VDC out to readers. (See supported Door Unit Specification for details.)

SYSTEM DIAGRAM

CERTIFICATIONS

environmentally friendly

KAA1290 0413

BEYOND SECURITY

KABA®