

About Visonic Technologies

Visonic Technologies (VT) is dedicated to developing and integrating identification solutions that enhance security, safety and communication throughout the enterprise. Catering to the needs of industries and institutions such as healthcare and correctional facilities, where identification and location of people and assets drives mission-critical performance, VT offers a variety of solutions: a full range of integrated, customized, state-of-the-art tracking and signaling systems as well as effective and economical access solutions.

VT is the holding company of Elpas Local Positioning Systems, SpiderAlert Signaling Network Solutions, and VisAccess Access Control Solutions. VT has merged the three product lines to operate with Eiris™, a single, scalable, open platform software solution which draws upon the company's groundbreaking triple technology (IR, RF & LF identifications).

With a widespread network of qualified system integrators and strategic alliances with internationally renowned companies, Visonic Technologies is expert at tailoring solutions to the unique requirements of its strategic market segments. VT is a member of the Visonic Group, a leading international provider of innovative, wireless automation and control security solutions, and benefits from the corporation's financial backing, expertise and global partnerships.

© Copyright 2003 by Visonic Technologies Ltd.
 Visonic Technologies reserves the right to change specifications without prior notice. The information is correct at the time of going to press.
 Windows® is a registered mark of Microsoft Corporation.

Visonic Technologies

Head Office (International):

30 Habarzel Street,
 Tel Aviv, 69710 Israel
 Tel: 972-3-768-1400
 Fax: 972-3-768-1415
 email: marketing@visonictech.com

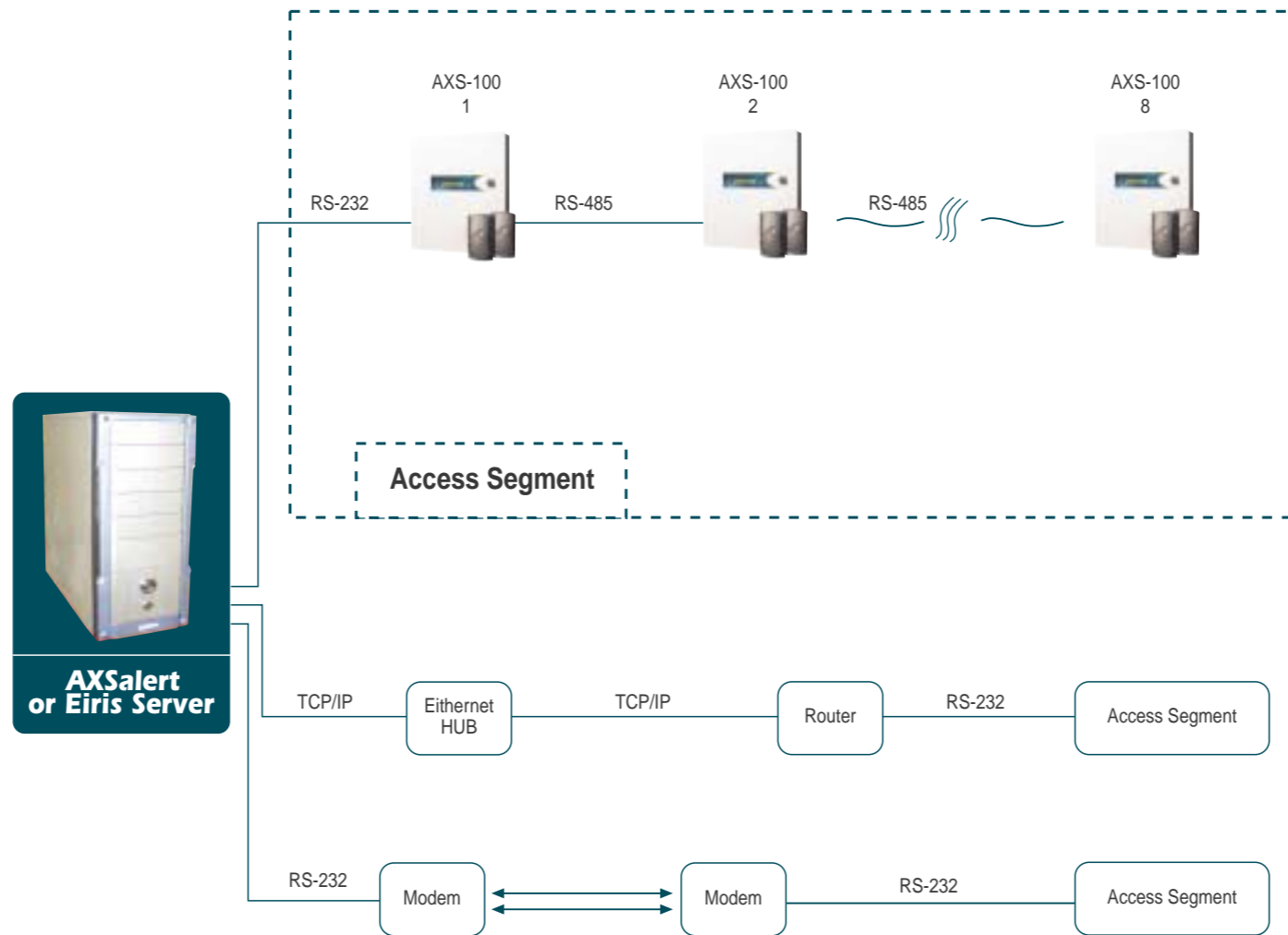
VTA (Visonic Technologies Americas):

10 Northwood Drive
 Bloomfield, CT 06002
 USA
 Tel: 1-800-223-0020
 Fax: 1-860-242-8094
 email: vta_marketing@visonictech.com

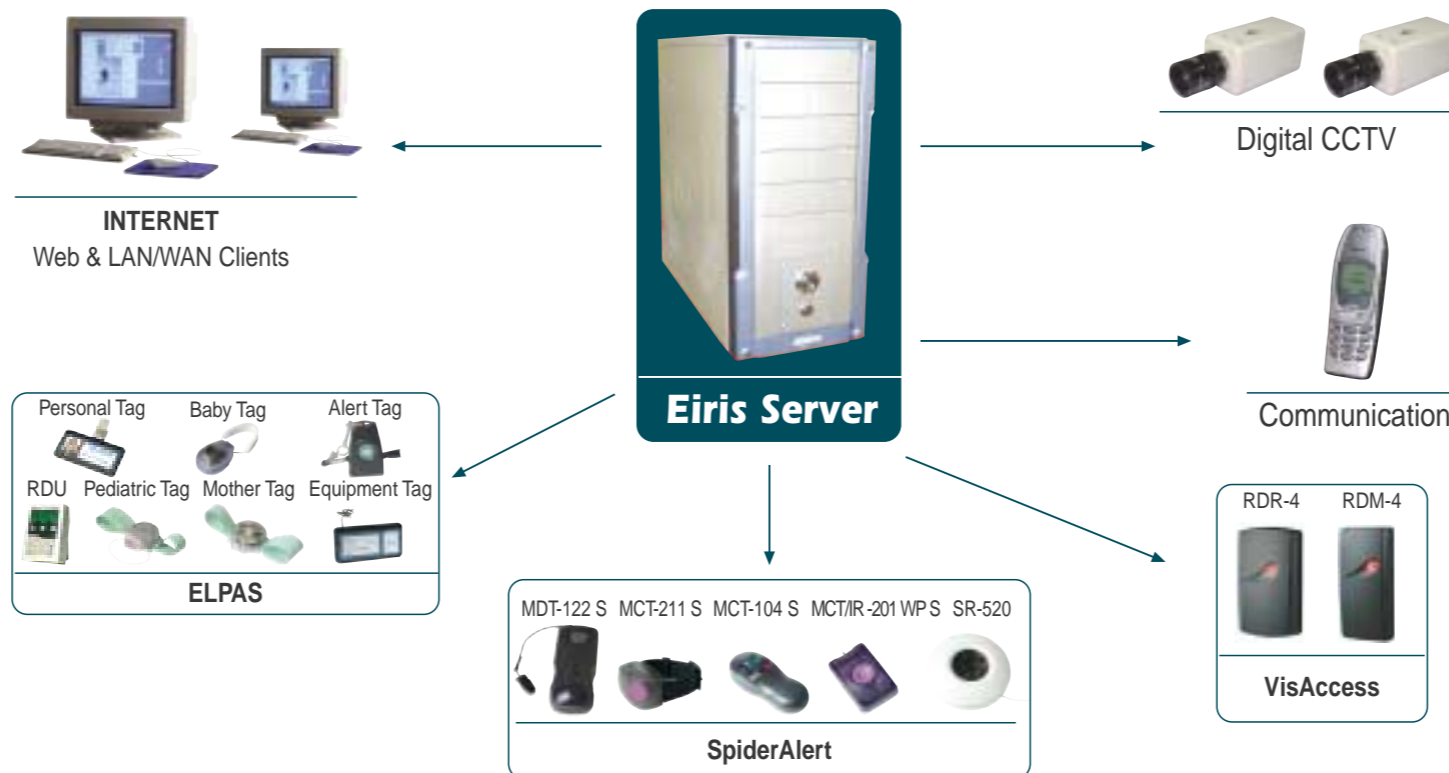
VT UK (Visonic Technologies UK):

Fraser Road
 Priory Business Park
 Bedford, MK44 3WH
 England
 Tel: 44-870-730-0840
 Fax: 44-870-730-0839
 email: vtuk_marketing@visonictech.com

Access Control Architecture



EIRIS Software Platform



VisAccess™ Access Control Solutions



Product Catalog

Introduction

VisAccess offers comprehensive and cost-effective access control and attendance monitoring solutions for commercial applications, offering modular flexibility for expansion and scalable functional upgrades.

VisAccess systems are supplied in various configurations. Solutions may be standalone or modular, including the deployment of software control applications. The main component of any VisAccess solution is the AXS-100 controller. One controller unit can manage up to two reader devices, each of which provides access to one door. Eight controllers can be connected (via RS-485) together to control a total of 16 doors supporting as many as 5000 user cards, and up to 100 controllers can be networked (via TCP/IP) together to create a 200-door system.

The system's proximity readers are based on advanced RFID technology. Each user is assigned a unique encoded proximity key. When a valid proximity key or tag is presented to the reader, which is located outside the protected area, the controller relay activates a magnetic lock or an electromagnetic strike (EMS) that releases the door. A single card can be conveniently programmed to open any combination of doors in the system. If a card is lost or stolen, it can easily be deleted from the system, and a new one can be issued.

VisAccess solutions provide the following information:

- **Who** is wearing the tag? (Identifies the person or equipment)
- **When** is the tag or the proximity key in a certain location?
- **Where** was the tag or the proximity key last detected?

Architecture

The VisAccess system architecture is comprised of four main levels:

- **RDRs and Tags**
- **Controllers**
- **AXSalert-100 or EIRIS™ Server/Operating System**
- **Access Control Solutions**

Solutions

Basic Access Control for Buildings

VisAccess provides cost-effective access control for buildings, utilizing proximity readers that are based on advanced RFID technology.

Parking Lot Management

VisAccess provides access control systems that can be used to control the entry and exit of parking lots that operate entry/exit barriers.

Elevator Control

Elevator Control enables authorized personnel to use an elevator to reach predefined floors in a building.

Guard Tour

The VisAccess AXS-100 and the AXS-10Pro can be used for guard tour solutions.

Controllers

AXS-100

The AXS-100 access control system is the comprehensive and cost-effective access control and attendance monitoring solution for commercial applications, offering modular flexibility for easy expansion and scalable functionality upgrades via PC or non-PC control.

- Modular, standalone system
- Operation with AXSalert-100 software for up to 200 doors (option for more doors when using Eiris software)
- Control of up to 16 doors without PC
- Easy creation and modification of up to 5,000 unique user cards
- User-friendly LCD keypad, 5 programming menus
- Auxiliary relay output
- Various authorization levels, zoning, scheduling options
- Real-time/on-demand report generation
- Anti-pass back solutions



AXS-10/AXS-10 Pro

AXS-10 and AXS-10 Pro are single-door access control systems for commercial applications, assuring secure access for up to 300 users. The weatherproof reader allows indoor or outdoor installation to accommodate the specific needs of each location. AXS-10 enhances personal safety inside the controlled area by triggering an alarm in case of unauthorized, illegal or forced entry. The request-to-exit input allows a quick and easy door release by a motion detector or push-button.

- Designed for needs of both installer and end-user
- Simple installation and easy operation
- Control of up to 300 sturdy PVC tags or cards
- 4-button programmable keypad
- Separate reader for indoor or outdoor installation
- Standalone network of up to four panels
- AXSoft-10 software for controlling up to four AXS-10 panels
- Optional RDC-3 magnetic card reader (AXS-10 only)
- Real-time clock (AXS-10 Pro only)
- Event buffer of up to 350 events (AXS-10 Pro only)
- Capable of working with a modem (AXS-10 Pro only)



AXS-5/AXM-5

AXS-5 and AXM-5 proximity systems are the ideal access control solution for smaller offices and multi-tenant facilities, assuring reliable and cost-efficient protection for up to 25 users. The multi-purpose keys operate locks, car immobilizers, parking gates, and doors to buildings. The AXS-5 reading range is 50-100mm (2-4in.). The AXM-5 reading range is 40-80mm (1.5-3in.).



Tag-in-a-Bag

Tag-in-a-Bag® is a stand-alone access control device, combining the convenience of proximity systems with the simplicity of keypad installation and operation. It provides authorized control for up to 250 users with two available security levels. Its comprehensive performance and simple installation and use make Tag-in-a-Bag the ideal access control solution for commercial and industrial applications.



Readers

RDM-4, RDR-4, RDR-4B

The RDM-4 (mullion type), RDR-4 and RDR-4B are external proximity readers, compatible with the AXS-100 access control system. The RDM-4 reading range is 40-80mm (1.5-3in.). The RDR-4 and RDR-4B reading range is 50-100mm (2-4in.).



RDK-4

The RDK-4 is a proximity reader with keypad, compatible with the AXS-100 access control system. The RDK-4 can be programmed by the installer to offer one of three security levels for opening the door: Valid tag only, Valid tag and user PIN (Personal Identification Number) code or PIN only. The RDK-4 reading range is 50-100mm (2-4in.).



RDR-2

The RDR-2 is a 26-bit Wiegand proximity reader to be used with any Wiegand compatible access control system. The tag's reading range is 50-100mm (2-4in.).



RDR-3/RDM-3

The RDR-3 and RDM-3 (Mullion type) are external proximity readers, compatible with the AXS-10/AXS-10 PRO access control system. The reading range is 50-100mm (2-4in.).



RDC-3/RDC-3MP

The RDC-3 and RDC-3MP are magnetic-stripe card readers, compatible with the AXS-10/AXS-100 access control system and RDA-4/RDA-PC adapter.



TIAB RDR-1B

The RDR-1B is an External Proximity Reader, compatible with the Tag-in-a-Bag (TIAB) access control system. The reading range is 50-100mm (2-4in.).



Accessories

IOX-4

The IOX-4 Input/Output expander provides the AXS-100 stronger capabilities with eight supervised inputs and eight relay outputs. Up to four IOX-4 boards may be connected to each AXS-100 control panel, for a maximum of 32 inputs and 32 outputs for each controller. All functionality programming is done from the control panel. The IOX-4 may be used in various applications, such as elevator control, parking lot, lighting systems, air conditioning systems and gate control systems.



RDA-PC

The RDA-PC is a Wiegand adaptor that allows enrolling non Visonic proximity cards or magnetic stripe cards to the software using third party readers. The adapter allows easy inclusion of non-contact ID key reading into a specific software package. It is connected to the computer's RS-232 COM port and transmits the key data once every 100 ms. as long as the key/card is presented to reader. Key data is accompanied by checksum error detection code for higher reliability.



RDA-4

The RDA-4 enhances the flexibility of the AXS-100 by enabling the AXS-100 access control system to operate with various magnetic-stripe card readers, proximity tag/card readers or Wiegand readers. The unit is connected between the AXS-100 and the magnetic-stripe card reader.



Keypads

CL-8A

The CL-8A is a digital, code-operated keypad for indoor access control and remote control applications. The keypad can function with virtually every security control panel on the market, and is suitable for surface mounting or flush mounting in a standard single-gang switchbox.



CL-80

The CL-80 is a single door weather-resistant access control keypad with up to 56 individual user codes, suited for small and medium-size businesses, multi-tenant residential and commercial buildings, as well as clinics and health facilities. User access codes ensure that all functions controlled by the CL-80 are restricted to authorized persons only, and each code can be assigned its own privilege level.



CL-83/CL-83M

The digital CL-83 and CL-83M (mullion type) anti-tamper access control systems deliver superior durability against tamper attempts and natural elements, making them the ideal access control solution for outdoor installations in high-security facilities, such as financial and medical institutions, military facilities and airports.



Software

AXSalert-100

The comprehensive, modular system for access control, attendance monitoring, security and facility management, ensuring total facility control and secure, streamlined operations. This software seamlessly integrates with the alarm system, providing zoning compartments, authorization levels, scheduling options. The AXSalert 100 supports creation and modification of up to 5,000 user cards or keys, and is compatible for use with a variety of biometric devices. Designed for single or multi-computer control, its user-friendly graphical interface enables card printing directly from the user screen.



AXSoft-10

The user-friendly AXSoft-10 is a companion software for the AXS-10 single door controller. The software can talk with one loop of up to four control panels. It has all the functionality needed to add, delete and modify tag records, as well as assign names to users and print reports based on received events.



EIRIS™

Software Platform

The EIRIS® software platform is a client-server monitoring and control system used to manage all VT systems, as well as third-party network elements and solutions. An open system, EIRIS supports a wide range of drivers and protocols, such as TCP/IP, LonTalk®, RS 232, RS485, and Spider Bus. EIRIS is delivered with an intuitive user interface for configuration of complex alarms and operations, as well as continuous display of tag and alert information in both alphanumeric and graphic formats. EIRIS clients are available as desktop applications EIRIS viewer and Web browser pages.



The EIRIS platform supports:

- **Client-Server:** a powerful user-friendly graphics engine for high performance in real-time systems allowing for unique features such as drill down maps.
- **History Recorder** software stores EIRIS events and configuration information in a relational database management system (SQL server and MS Access).
- **Report Generator** software provides an intuitive interface for building customized reports.
- **Integration with third-party communication devices** (such as pager and DECT systems).
- **Digital CCTV integration:** an EIRIS video extension enables the display of relevant Video streams on the EIRIS Client.