**Solution Summary**

ACX.90 Integrated System Platform (ISP) provides a comprehensive Access Control and Time Attendance system which is the highest security standard in the world industry. ACX.90 ISP is built on distributed processing architecture with intelligent components at each level. At the top is the enterprise grade, COM server which supports multiple door access panel and user applications. It acts as a local bridge between the door controllers and the application software. It is responsible for synchronizing all the door controllers, implementing advanced access control features and storing events.

A plug-in is installed into the Milestone Event Server so that Milestone system can communicate with our ACX.90 ISP. In the Management Application users can add the control panel (or the door) into the system and associate it with cameras. In the Smart Client users can choose to display lively the access control events and alarms for specific doors.

**Solution Description**

ACX.90 ISP developed by Matrix Research Limited provides a comprehensive Access Control and Time Attendance system which is the highest security standard in the world industry. Integrate our ACX.90 ISP with Milestone Management Application and Smart Client. Transfer all events and cardholders from ACX.90 ISP to Milestone synchronously. Inspect access control events lively in the Milestone Smart Client.

A high security design is implemented in the ACX.90 ISP. Component Object Model (COM) server which supports multiple door access panel and user applications. It acts as a local bridge between the door controllers and the application software. It is responsible for synchronizing all the door controllers, implementing advanced access control features and storing events. The communication between the control panel and the server is scrambly encryption. It ensures no software conflicts and prevents from middle-man attacks.

**Compatibility**

Milestone
- XProtect VMS
- XProtect® Corporate
- XProtect® Expert
- XProtect® Enterprise
- XProtect® Professional
- XProtect® Express

ACX
ACX X.90 Access Control System
www.acxhk.com

**Application/Vertical Markets**

- Healthcare
- Banking and Finance
- Manufacturing and Industrial
- Retail
- Commercial
- Education
- Government
**Solution Key Features**

- Transfer all events and cardholder information from ACX.90 ISP to Milestone XProtect
- Show live video associated with the door.
- Open or close the door manually by PC commands.
- Show access granted events and cardholder pictures.
- Show access denied events and access request live video.
- Support alarm definitions and show alarms like door break-in, panel tampering and power failure.
- Door Bell request to trigger the live video inspection

**Control and monitor ACX Access devices through XProtect**

Founded in 1998, Milestone Systems is the global industry leader in open platform IP video management software. The XProtect platform delivers powerful surveillance that is easy to manage, reliable and proven in thousands of customer installations around the world. With support for the widest choice in network hardware and integration with other systems, XProtect provides best-in-class solutions to video enable organizations – managing risks, protecting people and assets, optimizing processes and reducing costs. Milestone software is sold through authorized and certified partners.

For more information, visit: www.milestonesys.com

Matrix Research is the trusted leader in solutions and product development for the delivery of secure identity solutions in access control industry and is committed to enhancing customer value by delivering the most trusted, advanced and dependable secure identity solutions in the market.

Recognized for robust quality, innovative designs and industry leadership, Matrix Research is focused on creating customer value and is the supplier of choice for a variety of markets that include physical access control, logical access control and credential product and service. Matrix Research provides valuable ODM services to our customers.

For more information, visit: www.acxhk.com
## Product List

<table>
<thead>
<tr>
<th>Category</th>
<th>Item No.</th>
<th>Description</th>
<th>Outlook</th>
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</thead>
</table>
| **Software** | ACX.00 | ACX 3G Integrated System Platform  | - Access Control  
- Time and Attendance  
- Car Park Control  
- Lift Control  
- Intruder alarm monitoring  
- Multi-Applications  
- Surveillance integration. |
| 8900 | 8900 Single Door PoE Networked Access Control Panel | Support wiegand and ACX scramble RS485 readers  | Proprietary TCP/IP Communication by 128 bits User-defined Key |
| 8901 | 8901 Single Door Networked Access Control Panel | Dual LAN port designed for daisy chain connection  | Proprietary TCP/IP Communication by 128 bits User-defined Key |
| 8902 | 8902 Two Door Networked Access Control Panel | Dual LAN port designed for daisy chain connection  | Proprietary TCP/IP Communication by 128 bits User-defined Key |
| **Controller** | 8903 | 8903 Networked I/O Panel | Dual LAN port designed for daisy chain connection  
TCP/IP Communication by 128 bits User-defined Key |
| 8904 | 8904 Networked Lift Control Panel | Dual LAN port designed for daisy chain connection  
TCP/IP Communication by 128 bits User-defined Key |
| 8905 | 8905 Lift Control Expand Panel | Dual LAN port which couples with ACX.8906LUA Lift Control Panel |
| **Reader** | F1 | F1 Waterproof Contactless LCD Keypad Technology Reader | 7 x LED colors, 12 Keys touch sensor  
4 x 16 universal characters LCD display, access granted and access denied message  
125KHz or 13.56Mhz or dual technology  
Wiegand + Scramble RS485 output |
| F2 | F2 Waterproof Contactless LCD Keypad Technology Reader | 7 x LED colors, 12 Keys touch sensor  
4 x 16 universal characters LCD display, access granted and access denied message  
125KHz or 13.56Mhz or dual technology  
Wiegand + Scramble RS485 output |
| F3 | F3 Waterproof Contactless Keypad Technology Reader | 7 x LED colors, 12 Keys touch sensor  
125KHz or 13.56Mhz or dual technology  
Wiegand + Scramble RS485 output |
| F4 | F4 Waterproof Contactless Technology Reader | 7 x LED colors, 12 Keys touch sensor  
125KHz or 13.56Mhz or dual technology  
Wiegand + Scramble RS485 output |
| F5 | F5 Waterproof Contactless Keypad Technology Reader | 7 x LED colors, 12 Keys touch sensor  
125KHz or 13.56Mhz or dual technology  
Wiegand + Scramble RS485 output |
| F6 | F6 Waterproof Contactless Keypad Technology Reader | 7 x LED colors, 12 Keys touch sensor  
125KHz or 13.56Mhz or dual technology  
Wiegand + Scramble RS485 output |
| F7 | F7 Waterproof Contactless Smart Card/Proximity Keypad Reader | Fingerprints template on Card and Card + PIN  
1,000 Fingerprints template on device, output card number in 26/32/34/35/37 or other format  
Wiegand + Scramble RS485 output |
| F8 | F8 Waterproof Contactless Smart Card Reader | Fingerprints template on Card and Card only  
1,000 Fingerprints template on device, output card number in 26/32/34/35/37 or other format  
Wiegand + Scramble RS485 output |
| S1 | S1 Waterproof Wall Switch Contactless Smart Card Reader | Designed for Asia / Europe market  
125KHz or 13.56Mhz or dual technology  
Wiegand + Scramble RS485 output |
| S2 | S2 Waterproof Wall Switch Contactless Smart Card Reader | Designed for Asia / Europe market  
125KHz or 13.56Mhz or dual technology  
Wiegand + Scramble RS485 output |

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