AMWATCH.NET ACCESS CONTROL *Flexible, User-friendly and Scalable Software*

The AMWATCH.NET Access Control System is the most flexible, user-friendly and scalable system for physical access control available today and compatible with almost any electronic or biometric identification (ID) credentials. Different to most of traditional electronic access control systems based in serial communications (RS232 & RS485) the AMWATCH.NET is based on advanced technology using IP Protocol for communications, database-server and web-browser user software interface.

Composed by two main components Amwatch.net Software and the XPIP Control Panels the system works with a wide range of readers and identifications credentials. Those two main system components truly separate AMTEL ASPS from the rest of the industry. The Software consists of a Common Platform or Server Application and Specialized programs or Client Applications that allow the system to expand from a single site handling one or few access restricted doors (even working stand alone) to literally control thousands of physical access points in hundreds of sites and buildings connected in a LAN (Local Area Network), INTRANET (Intra Corporate Network) or simply all globally connected through out the INTERNET.

AMWATCH.NET Server Premier

The AMWATCH.NET server application is offered in two editions, Premier and Premium such that users can select the proper level based on their requirements. This application establishes communication with the access control panels and peripheral devices, provides connection of the Access Control Client application and allows setup of the System Parameters such us:

- **Sites:** Scalable creation of groups of panels associated to a building or physical area under control.
- **Access Control Panels:** Set up controllers for readers, locking devices and other access devices.
- **Physical Access Points:** Easy definition of readers to control doors, gates, turnstiles or elevators.
- **Alarm Inputs:** Flexible definition of supervised alarm input points and response actions.
- **Control Relays:** Powerful programming of automatic actions triggered by relays.
- The Premier edition allows definitions of all main operational parameters such us:
- **Time Schedules:** Multiple zones, blocks and time slots for access and automatic control activities.
- **Operators:** Secure definition of Administrators, Supervisors and regular Operators privileges.
- **Group of Relays:** Wide programming of automatic activities using global outputs in multiple panels.
- **Anti-Passback:** Prevent un-authorized double access with the same ID.
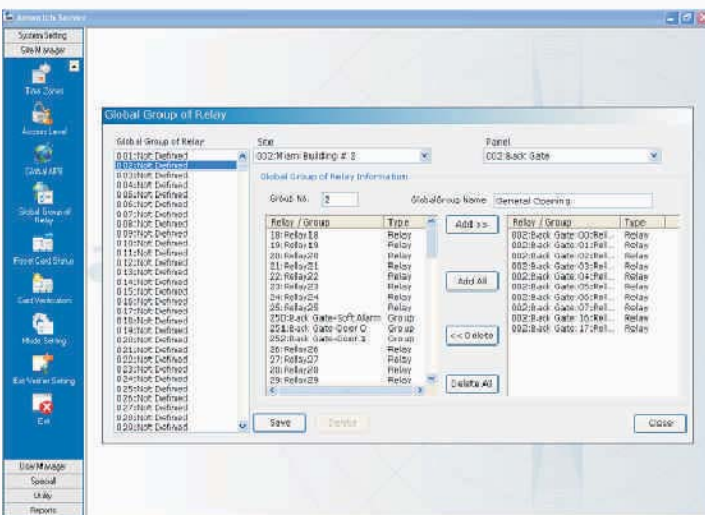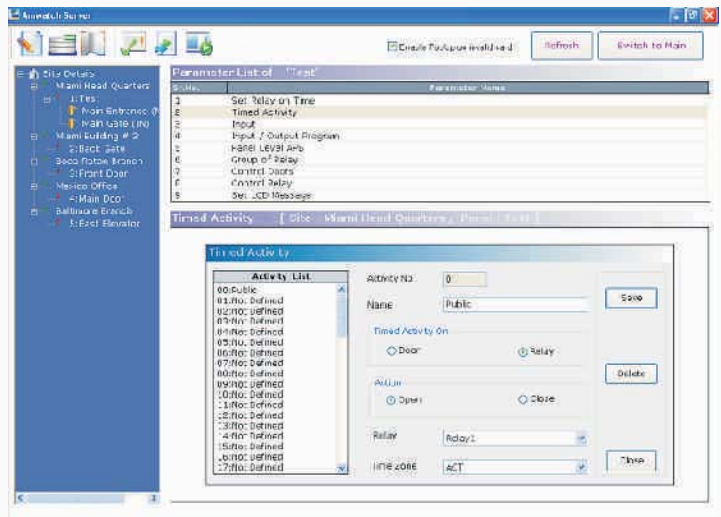
AMWATCH.NET Premium Edition

This edition of the server application also offer many unique and special features such us

- Space Control: Powerful control of maximum occupancy of specific areas by group of users.
- Elevator control: Access specific floors or group of floors using a card reader in the elevator cab.
- Graphic Alarm: Visual representation of location where an alarm condition is happening.
- E-mail Report: User-friendly set-up of automatic reports to be sent to manager or users by e-mail.
- Time & Attendance: Track normal working hours and generate reports as per employee schedule.

Access Control Client

The Access Control Client (ACC) application could be installed in the same computer where the server and database applications are hosted or in any other personal computer (PC) connected to the main (Host) using a LAN or INTERNET connection.

Different to most of the conventional Access Control Systems in the market, AMWATCH.NET with its multi-access database server technology provide practically no limited numbers of "workstations" giving to the End-User the freedom to use as many client stations as required for proper operation. This client application provides all tools for cardholder database (DB) management and reports:

- **User Information:** First and last name, ID number, phone, address and many other fields available.
- **DB Management:** Simple to add, edit or delete credentials (prox/smart cards, Rfid Tags) or codes.
- **Access Level:** Flexible access level (where and when) assignment to all kind of Users.
- **Panel Database update:** Key information in database server is sent to the corresponding panels.
- **Import/Export User Data:** Easily exchange data in CSV or MS-Excel files to and from database.
- **User Data Reports:** Generates parameterized User reports with multiple filter and sort options
- **History Reports:** Valuable tool to generate all kind of historical and statistical user activity reports.
- **System Reports:** Track operator activity, program failures, and data and communication problems.

The Access Control client application would also allow live monitoring of all events with very practical filters:

AMWATCH.NET Access Control System
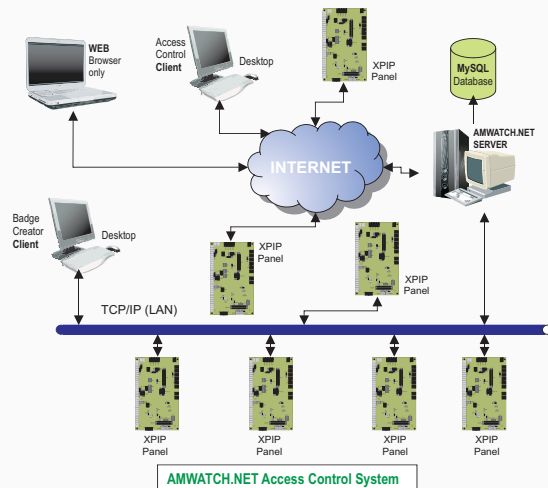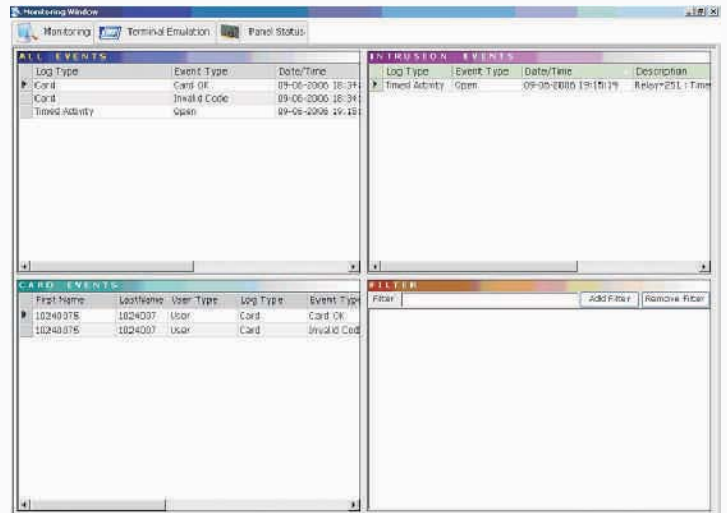
Badge Creator

Sophisticated user-friendly and AMWATCH.NET integrated photo-Id badging module to create permanent badges for employees or residents using the same data captured by the ACC application as maintained in the DB Server.

- **Design:** Multiples design layouts could be stored and assigned later to specific card holders.
- **Image Devices:** It can handle previously captured digital images and USB cameras.
- **Printing:** Allows printing of photo-Id cards directly in most of dye-sublimation or inkjet printers.

Web-browser Interface

Other and most convenient ways for end-user operators to handle the User Database and generate all sorts of reports is using the Web module which allows connection from any PC by Intranet or Internet to the AMWATCH.NET and Database Server applications without the need to install any client software whatsoever. Just click on the Internet browser, type the URL of the server and use User ID and Password to start using the system, making changes to the database and pull all required reports.

Database Server

The Database server is based on a powerful relational database (using generic SQL: Script Query Language) allowing multiple applications being connected simultaneously and multiple concurrent read/write users (operators). This database engine works very well in Windows and other operational systems and it one of most commonly used for Web-based applications.

XPIP Access Control Panels

The XPIP Access Control Panels are the main hardware component to create the entire AMWATCH.NET system. The panels communicate with the Server Application to exchange send and receive information about the Access Points, Users and Alarm Inputs activity as well as actually control credential (cards, tags or codes) readers the locking devices and security sensors associated to the system.

ORDERING INFO:

| Part Number | : | 440-AWN-A0000 |
| Product Name | : | AMWATCH.NET Server + Desktop |

| Part Number | : | 440-AWN-0M000 |
| Product Name | : | AMWATCH.NET Monitoring |

| Part Number | : | 440-AWN-00B00 |
| Product Name | : | AMWATCH.NET Badge Designer |

| Part Number | : | 440-AWN-0000T |
| Product Name | : | AMWATCH.NET Time & Attendance |