

# IP-AK2 Web-Based Access Control Solution



Make Access Control  
Easier Than Ever Before!

For more information:

Security Asia Pacific Headquarters  
Security Hong Kong  
Security Australia National Sales Hotline  
Security India  
Security Singapore

Tel: (86) 21-2219 6888  
Tel: (852) 2405 2323  
Tel: 1300 765 532  
Tel: (91) 124 4029800  
Tel: (65) 6333 9563

www.asia.security.honeywell.com  
security.ap@honeywell.com

**Honeywell Security Group**  
Automation & Control Solutions  
Honeywell International Inc.  
www.security.honeywell.com

Feb 2011  
© 2011 Honeywell International Inc.



# Honeywell IP-AK2 Web-Based Access Control Solution

Make Access Control Easier Than Ever Before!

The new generation Honeywell IP-AK2 is 2-door web-based access control panel designed to provide easy-to-use and cost-effective solution to meet the requirements of all entry-level applications. The system's built-in web server allows users to use a standard Web browser to manage, control, and monitor the access control system from anywhere an Internet connection is available. This brings users with simplicity, flexibility, and cost-effectiveness without sacrificing the performance of access control.



## Where best applied?

All small to medium-sized businesses like

- Commercial Offices
- Retail Establishments
- Convenient Stores
- Educational Institutions
- Hospitals and Clinics

## FEATURES

### System Overview

- 2-doors controller, expandable up to 20 doors over RS485 network
- Embedded Web server
- 32-bit ARM9 processor
- Onboard I/O: 2 readers; 8 supervised inputs; and 4 relay outputs
- Flash programming for firmware revision updates
- Anti-passback capability, hard and soft
- Two-door interlock supported
- Real time clock

### System Capacities

- Cardholders: 10,000
- Transaction storage: 25,000 alarms and events
- 127 Time Zones and 255 Holidays
- 128 Access Level
- Card format compatibility: 128 types of Wiegand format support
- Credential facility codes: 8

### Database and Database Maintenance

- Built-in SQL Lite Database
- Manual backup of system database to local client PC
- Alarm & Event database auto backup

### Communication

- Onboard Ethernet port connected to TCP/IP network as master panel
- Onboard RS485 connection for downstream panels

### Certification and Approvals

- CE/FCC/C-Tick/KCC

### Web Brower

- Standard web browser e.g. Internet Explore or Firefox
- Complete system configuration from Web Interface
- Live event and alarm monitoring
- Visualized viewing of door status and real-time manual control of locks and other devices
- Card report
- Alarm & Event report
- Detailed report generator
- 128-bit SSL browser login encryption
- Up to 6 users to log in simultaneously

### Language

- Multi-languages supported
- Currently available in English, Simplified Chinese, Traditional Chinese, and Korean

### Dimensions

- Boards: 152mm W x 229mm H
- Enclosure: 340mm H X 290mm W X 78mm D

### Power Requirements

- Power Supply: 220VAC (110VAC) to 12 VDC transformer
- Battery Backup: 12 VDC, 3.2 AHr sealed lead-acid battery

### Environment

- Temperature: 0°C to 50°C for operating, -55°C to +85°C for storage
- Humidity: 5% to 85% RHNC

## BENEFITS

### Simple

#### Easy-to-Install

- No software to install.
- Simply connect a TCP/IP network cable from IP-AK2 control panel to a computer and then use standard web browser for access control.

#### Easy-to-Operate

- Built-in web server allows system control from anywhere an Internet connection is available.
- Intuitive interfaces of web browser minimizes training requirements and learning curves for configuration and operation.
- Visualized door status viewing provides operator a complete picture of each devices and easy real-time manual control.

#### Easy-to-Maintain

- No software-related issues to troubleshoot.
- Internet connection allows remote diagnostics from installers for easy maintenance.
- Flash memory allows convenient upgrades from website.

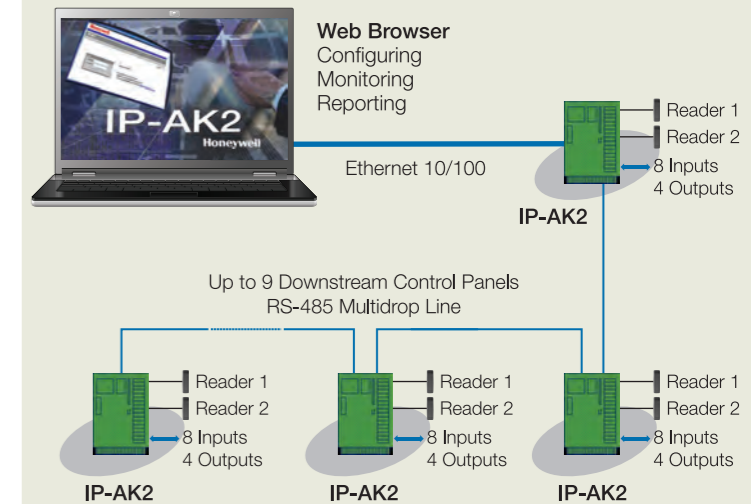
### Reliable

- State-of-the-art technology from an industrial leader in Security industry.
- Powerful 32-bit processor and built-in SQL Lite database ensure fast and reliable processing not usually found in an entry-level product.
- 128-bit SSL browser log in encryption.
- Database and configuration archiving support.

### Cost Effective

- No need to purchase additional IT infrastructures.
- No need to purchase software upgrade fee, leading to long-term cost saving.
- **The nature of simplicity reduces overall cost of ownership.**

## SYSTEM CONFIGURATION



## ORDERING

Part Number	Descriptions
IP-AK2	IP-AK2 Control Panel only
IP-AK2ENC	IP-AK2 Control Panel Enclosure with 220VAC (110VAC)/12VDC transformer and 12VDC 3.2 AH Backup Battery
IP-AK2KIT	IP-AK2 kit with single Control Panel, one 220VAC (110VAC)/12VDC transformer and one 12VDC 3.2 AH Backup Battery

## Why Web-Based Access Control?

- **NO** dedicated PC or server required
- **NO** software required
- **NO** particular operating system required
- **NO** software upgrades required
- **NO** virus checking required

## Reduce Your Total Cost of Ownership