

Wireless Device Servers for Building Access

Project

Implement a low cost modern access system

Wireless is getting popular not only for its benefit but also due to fashion of using cool latest technologies. Wireless technology is highly adopted in newly-built state of the art skyscrapers for living and office purposes. These buildings offer a new digital life style for relaxed working environment and comfortable living. To provide better security system, a stronger and a reliable access control system is required along with the digital surveillance systems. Wire free systems give a trendy look while saving the cost of wires.

Requirements

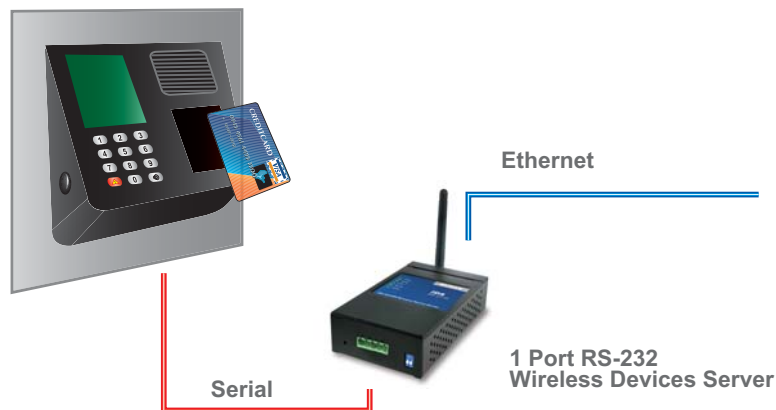
The financial company for his new headquarters building needs to implement reliable access system to avoid any unauthorized entry. Due to its business nature, extensive access control is designed and implemented for employees. Access is granted based on the departments and employees categories at different level.

The electronic access system with access card plus finger print recognition is to deploy via using wireless technology.

Taking the full advantage of IP protocol support from wireless and excluding the cabling hazard (and cost), wireless solution was the requirement.

The Challenge

The challenge was to develop a highly secured and reliable wireless access system avoiding the mix with other wireless running applications.



Solution

Taking the complexity and cost out of wireless networking, SUNIX wireless products provide a feature-rich, secure, easy-to-integrate, low-cost WiFi solution. They not only offer more port density but also support any kind of serial interface, thus integrating different serial devices in a single device server. Moreover, access point provides PoE which eliminates the need of power input for digital IP cameras.

Why SUNIX

- **Extended solutions for serial communication over wireless LAN.**
- **Highest level of integration availability with robust security (WPA, TKIP, 802.1X).**
- **Excellent support and services.**

The SUNIX device server provides the powerful ability to IP-enable serial devices allowing more options for data acquisition, device management, and industrial control. It includes a processor, operating system, TCP/IP stack, Web server and a network connection to provide a complete serial-to-Ethernet bridge. Using the embedded Internet protocols and a connection to an IP network, it encapsulates the serial data into packets and sends and receives it over an Internet or Intranet connection.

Application Topology



Key Products

IDS-3042W
WAP-5002P