

**Cost Effective IP - Based Access Control Solution:  
No Server, No Software, No Power Supply, No Hosting  
and No Classroom Training.**

### Situation:

A U.S. Air Force Specialty Squadron facility, under the jurisdiction of the 502nd Air Base Wing, Air Education and Training Command, located at Joint Base San Antonio, TX, required Common Access Card (CAC) integration to its existing access control system.

The Specialty Squadron's existing access control system consisted of outdated mag-strip card readers and the inability to read classified data streams. In addition to the outdated access control system, the facility, constructed of concrete, created the inability to easily install/reconfigure wiring and add additional access points.

Thus, the U.S. Air Force Specialty Squadron was faced with a costly replacement of their outdated access control system. Overall, the Squadron needed a cost effective access control solution capable of reading CAC cards without installing costly dedicated servers and excessive wiring/re-wiring.

### Solution:

iTRUST provided the U.S. Air Force Squadron with a modern, 100% IP access control solution for its existing hard-wired card reader access points (upgraded to HID PIV CLASS Readers). Additionally, by integrating the Aperio HUB within the iTRUST technology framework, the expansion of 15 wireless access points, 7 doors (Aperio IN-100) and 8 cabinet locks (Aperio K100), was made possible. Monitor Dynamic's ability to customize firmware specifications provided the ability to recognize the necessary data streams ensuring complete CAC integrity and capabilities.

iTRUST software is embedded in the Unified Digital Controller (UDC) board manufactured by Monitor Dynamics which allows system access, via any web browser using a PC, tablet, or mobile device, eliminating the need for new servers and dedicated workstations saving the Air Force money, time and space. The UDC controller used in iTRUST are POE capable and in this scenario the controller is connected to a POE switch for power to the controller and the hardwired readers allowing for a more cost effective savings in expanding the installation.



#### FACILITY TYPE:

Military Base

#### NUMBER OF

**DOORS/ACCESS POINTS:**

24

#### PARTNER HARDWARE:



HID

PIV CLASS Readers



APERIO

K100 Cabinet Lock



APERIO  
HUB



SARGENT  
IN100 Martise Lock

#### iTRUST Access Control Facility Solutions Include:

- Education
- Energy/Utility
- Museum/Public Facility
- Financial
- Healthcare
- Law Enforcement
- Government
- Place of Worship
- Private Business & Restaurant