

Barracks

BARRACKS SECURITY FOR THE NEXT GENERATION OF SOLDIER LIVING ENVIRONMENTS

StarWatch technology provides a complete, end-to-end barracks security solution that is fully compliant with Army standards, immediately deployable on existing ICIDS infrastructure, and designed to address energy efficiency, operational intelligence, and soldier safety requirements.

The StarWatch security platform incorporates best practices in smart technology, cyber and physical security, and energy-efficiency



SYSTEM FEATURES

- Established ICIDS compliance and program history
- BACnet integration unifying physical security and building automation
- Purpose-built hardware - EntroStar and StarGate-5 panels
- Wireless locking, extending security to every corner of the barracks
- Unified command and control - StarWatch SMS as the single point of integration

ESTABLISHED ICIDS COMPLIANCE AND PROGRAM HISTORY

The StarWatch SMS platform is currently deployed as the security management system at more than 80 U.S. military facilities worldwide, and has served as a U.S. Army standard for integrated base security for over three decades. This operational history reflects consistent compliance with applicable Department of Defense security standards, including FIPS-201, approved physical Access Control System (ACS), Risk Management Framework (RMF) cybersecurity requirements, and all applicable UL certification standards.

For barracks installations, this compliance history supports a straightforward procurement path. DAQ hardware and software have completed the testing and certification processes required for DoD deployment. EntroStar and StarGate-5 panels, along with the StarWatch SMS platform, meet current Army security requirements without requiring additional evaluation or certification work.

This barracks solution is designed to integrate with existing ICIDS infrastructure, treating barracks as high-security zones within the broader installation security network. ICIDS integration is a core design requirement of DAQ's products, not an add-on capability. Installations already operating StarWatch SMS for ICIDS functions can extend that platform directly into barracks environments, using existing operator training, established workflows, and fielded hardware without disruption to current operations.



BACNET INTEGRATION: UNIFYING PHYSICAL SECURITY AND BUILDING AUTOMATION

The StarWatch barracks solution integrates physical security systems with smart building technology - connecting access control and intrusion detection data directly with HVAC, lighting, energy management, and other building automation systems. This convergence is a current, production-ready capability of the StarWatch platform, not a roadmap item.

The EntroStar access control panel is the world's first PoE/PoE+ native BACnet access control panel, and the StarGate-5 intrusion detection panel supports native BACnet connectivity as a standard feature. Both devices are designed to communicate with any ANSI/ASHRAE 135-2010 compliant system, enabling direct, peer-to-peer data exchange with building automation systems without the need for proprietary integration middleware or dedicated security front-end translation layers.



StarWatch provides users with the unique opportunity to merge security functionality with Building Automation Systems (BAS). With built-in BACnet® compliance, the platform offers a level of device interoperability previously unavailable in the physical security market, allowing building managers to reduce energy consumption by associating access/secure activity to BAS, including heating/cooling and lighting.

In a barracks deployment, this BACnet capability enables a range of operationally and financially significant outcomes:

- [Automated energy management](#): HVAC and lighting systems can be configured to respond automatically to real-time access and secure data from StarWatch - adjusting environmental controls based on actual room occupancy and personnel movement rather than fixed schedules. When a soldier arms a room zone upon departure, building automation systems immediately respond, eliminating energy waste in unoccupied spaces.
- [Consolidated building intelligence](#): Access control events, intrusion detection alarms, and building automation data share a common communications network, reducing infrastructure costs and eliminating redundant wiring runs. The modular, open architecture of the StarWatch platform allows this network to grow incrementally as requirements expand to additional buildings and installations.
- [Regulatory compliance support](#): BACnet integration supports energy efficiency mandates and sustainability goals, providing the data infrastructure needed to accurately measure, report, and optimize energy consumption across barracks facilities.
- [Future-ready architecture](#): As barracks requirements advance into future phases - including biometric authentication and more sophisticated building automation capabilities - the open BACnet standard ensures that DAQ hardware will interface with next-generation systems without requiring hardware replacement or system redesign.

PURPOSE-BUILT HARDWARE: ENTROSTAR AND STARGATE-5

The barracks environment has a specific set of hardware requirements: devices durable enough for continuous military deployment, straightforward to install and commission without specialized expertise, and capable of supporting the integration requirements of a converged security and building automation network. The EntroStar and StarGate-5 panels are designed to meet these requirements.

The EntroStar access control panel provides native BACnet compliance, enabling direct interface with building automation systems and devices



The EntroStar panel supports two doors per controller, powering up to four readers and two locking devices directly via PoE/PoE+ - eliminating the need for local power supplies and significantly simplifying installation in barracks environments where electrical infrastructure may be aging or constrained. Auto-discovery features enable plug-and-play network connectivity with automatic IP address assignment, and innovative diagnostic LEDs allow complete local commissioning without special tools, typically cutting total deployment time in half. With a card capacity of up to 100,000 credentials and support for the latest smart card and biometric identification technologies - including HID and AWID formats - EntroStar provides the credential flexibility required for a dynamic soldier population.

The StarGate-5 provides 8 on-board I/O points expandable to 128 via RIOX-5 expansion modules, supporting 4-state alarm monitoring for each zone. Advanced SAML-based user authentication allows centralized management of arming and disarming permissions - a critical capability in a barracks environment where room and zone access must be precisely controlled and audited. The panel supports connection to central station monitoring services both as a standalone device and as a fully integrated component of the StarWatch SMS platform, providing operational flexibility across different installation configurations. PoE+ powering eliminates the need for separate power supplies at each panel location, and like the EntroStar, status indication LEDs and icons enable local commissioning without specialized tools.

WIRELESS LOCKING: EXTENDING SECURITY TO EVERY CORNER OF THE BARRACKS

A key requirement of a barracks security deployment is extending access control beyond primary entry points to include individual rooms, storage areas, restricted supply rooms, equipment lockers, and other secondary spaces - locations where traditional wired access control is impractical or cost-prohibitive. DAQ addresses this requirement through its integration of the Aperio® wireless locking platform from ASSA ABLOY®. Through a StarGate-5 controller paired with Aperio hubs, the StarWatch SMS platform can manage up to 16 electronic wireless locks per controller across a wide range of locking form factors - including door locks, server rack locks, and cabinet locks. Each Aperio hub supports up to 8 distributed wireless locks communicating via IEEE 802.15.4 wireless protocol with AES 128-bit encryption between the hub and each lock. This wireless architecture eliminates the primary cost and logistical challenge of traditional access control in existing barracks buildings: door-level wiring.



All wireless lock activity is monitored and controlled in real time through the StarWatch SMS interface, providing security personnel with the same level of visibility and command over wireless locks as over hardwired access points. Door status monitoring, credential management, and alarm handling for wireless locks are fully integrated into the unified StarWatch operator environment - no separate interface, no separate training requirement, and no gap in situational awareness.

UNIFIED COMMAND AND CONTROL: STARWATCH SMS AS THE SINGLE POINT OF INTEGRATION

The DAQ barracks deployment consolidates every security and building automation function - access control, intrusion detection, video management, wireless locks, and BACnet-connected building systems - under a single management interface: StarWatch SMS. For installation personnel, this integration reduces the operational complexity and situational awareness gaps associated with managing separate, disconnected systems.

For installations already operating StarWatch SMS as their ICIDS security management platform, adding barracks functionality requires no new operator training and no new software platform - only the extension of the existing system to cover new devices and zones within the barracks environment. This platform continuity reduces cost and avoids the divided operator attention required when running parallel systems.

Under StarWatch SMS, a single operator workstation provides:

- Real-time GIS-based site maps displaying the status of all access points, intrusion detection zones, and connected building systems across the barracks facility
- Automated alarm response procedures that guide operators through every step of the resolution process from initial detection to final clearance
- Card watch functionality providing live, continuously updated tracking of individual personnel movement through the facility
- Integrated video management with automatic camera call-up upon alarm, enabling immediate visual verification of any security event
- Single-pane configuration of access control credentials and IDS access/secure PICs allowing for unified, simplified scheduling and control of individual access permissions
- Comprehensive reporting tools for access events, visitor activity, alarm history, and credential assignments

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