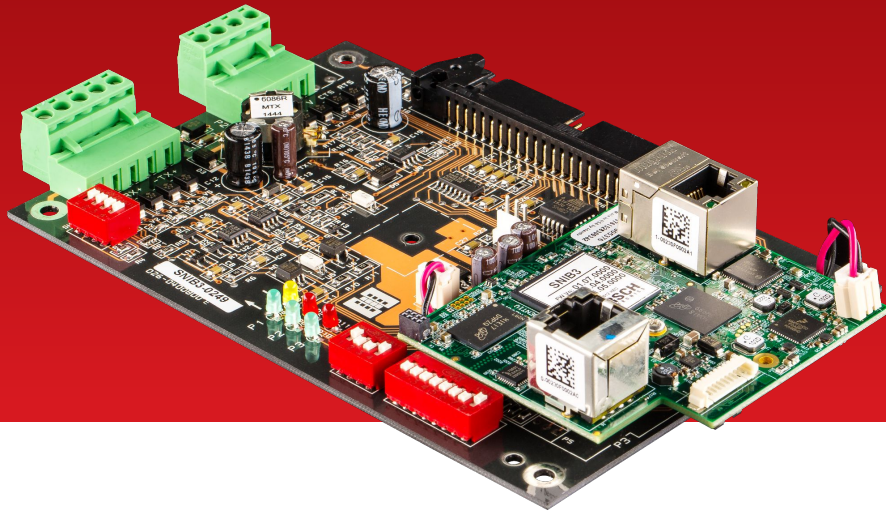




Secure Network Interface Board 3 (SNIB3)



Hirsch's Secure Network Interface Board 3 (SNIB3) brings advanced functionality and capabilities to the Hirsch controller line.

The SNIB3 is a leading edge communication device that provides IPv4 or IPv6, Gigabit Ethernet, and FIPS 140-2 certified cryptography, including AES 256 bit encryption.

If you already have controllers from Hirsch, the SNIB3 is a drop-in replacement for the SNIB2 and SNIB communications boards, allowing for easy upgrades.

These features are foundational for the critical U.S. federal government security standard known as FICAM, and other high security locations around the globe.

When paired with the RREB, the SNIB3 brings the most secure, reliable, and cost effective FICAM compliant communication to the Hirsch Controller line.

Advanced Communication

- IPv4 or IPv6
- Gigabit Ethernet
- FIPS 140-2
- AES 256 bit encryption
- TLS 1.2

Easy Upgrades

- Simply drop into an installation

Upgraded Functionality

- Anti-Passback
- Occupancy Counting
- Limit/Day Usage
- Absentee Tracking
- Up to 500,000 Credentials

FICAM Support

- GSA APL Approved
- Supports Card Auth, PIV Auth, and PIV Auth + Biometric

Features

Parameter	Description
DHCP Support	Automatic and centralized TCP/IP address management.
IPv6 Support	IPv6 allows for more efficient routing and packet processing, directed dataflows, simplified network configuration, support for new services, and increased security.
Support for TLS v1.2	Use of asymmetric TLS encryption increases security flexibility with dynamic encryption keys, greatly reduces the potential for latency induced corruption and allows the system to recover from communication outages as a background process.
FICAM Support	The SNIB3, in combination with RREB, will enable the current controller/wiring and architecture to be FICAM compliant.
FIPS 140-2 Encryption	<ul style="list-style-type: none"> • TLS v1.2 • AES 256-bit

Specifications

Parameter	Description
Encrypted Communication Options	<ul style="list-style-type: none"> • TLS v1.2 (FIPS 140-2) • AES 256 (FIPS 140-2) • AES 128 (FIPS 197)
Communication Options	<ul style="list-style-type: none"> • 10/100/1000 Base-T Ethernet • IPv4 addressing • IPv6 addressing
FICAM	<ul style="list-style-type: none"> • GSA APL Approved • Card Auth, PIV Auth, and PIV Auth + Biometric reader support
Globalization/Gateway	<ul style="list-style-type: none"> • SNIB3 master with downstream SNIB3 and SNIB2 - All SNIB3s are required for TLS v1.2 • Anti-passback • Occupancy counting • Limit/Day Usage • Absentee tracking • If/Then Programming
Communications	<ul style="list-style-type: none"> • Serial Interface ports <ul style="list-style-type: none"> - RS-485: Multi-drop up to 16 controllers maximum (without NET*MUX4) - RS-485 XNET2/3 baud rate: 9600, 38.4K, 57.6K, 115.2K - RS-485: 4000 ft (1220 m) to the last controller on a cable run with 22 gauge, two-pair, stranded, twisted overall shield • Ethernet Ports: <ul style="list-style-type: none"> • TCP/IP 10/100BASE-T (SNIB2) • TCP/IP 10/100/1000BASE-T (SNIB3)