



## Secure Network Interface Board 3 (SNIB3)

Advanced Network Communications

Identiv's Secure Network Interface Board 3 (SNIB3) now offers new functionality and capabilities. The SNIB3 is a leading edge communication device that provides IPv6, Gigabit Ethernet, and FIPS 140-2 certified cryptography, including AES 256 bit encryption. These features are foundational for the critical U.S. federal government security standard known as FICAM. If you already have controllers from Identiv, the SNIB3 is a drop-in replacement for the SNIB2 and SNIB communications boards.

### Features

FEATURES	
DHCP Support	DHCP is used for automatic and centralized TCP/IP address management. It makes configuration easy on a small network, and better controlled on large ones.
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 the 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. The Identiv FICAM solution is the most cost-effective, best performing, and most reliable option.
FIPS 140-2 Encryption	<ul style="list-style-type: none"> <li>• TLS v1.2</li> <li>• AES 256-bit Rijndael</li> <li>• An increased level of cryptography compared to SNIB2 (FIPS 197 AES 128)</li> </ul>

## Specifications

SPECIFICATIONS	
Encrypted Communication Options	<ul style="list-style-type: none"> <li>• TLS v1.2 (FIPS 140-2)</li> <li>• AES 256 (FIPS 140-2)</li> <li>• AES 128 (FIPS 197)</li> </ul>
Communication Options	<ul style="list-style-type: none"> <li>• 10/100/1000 Base-T Ethernet</li> <li>• IPv4 addressing</li> <li>• IPV6 addressing</li> </ul>
FICAM	<ul style="list-style-type: none"> <li>• GSA APL Approved</li> <li>• Card Auth, PIV Auth, and PIV Auth + Biometric reader support                             <ul style="list-style-type: none"> <li>- Requires RREB</li> </ul> </li> </ul>
Globalization/Gateway	<ul style="list-style-type: none"> <li>• SNIB3 master with downstream SNIB3 and SNIB2                             <ul style="list-style-type: none"> <li>- No downstream SNIB1 support</li> <li>- All SNIB3s are required for TLS v1.2</li> </ul> </li> <li>• Anti-passback</li> <li>• Occupancy counting</li> <li>• Limit/Day Usage</li> <li>• Absentee tracking</li> <li>• If/Then Programming</li> <li>• Virtualization                             <ul style="list-style-type: none"> <li>- .25s timing increments up to 1800s</li> <li>- .25s delay timing increments up to 1800s</li> </ul> </li> </ul>
Communications	<ul style="list-style-type: none"> <li>• Serial Interface ports                             <ul style="list-style-type: none"> <li>- RS-485: Multi-drop up to 16 controllers maximum (without NET*MUX4)</li> <li>- RS-485 XNET2/3 baud rate: 9600, 38.4K, 57.6K, 115.2K</li> <li>- RS-485: 4000 ft (1220 m) to the last controller on a cable run with 22 gauge, two-pair, stranded, twisted overall shield</li> </ul> </li> <li>• Ethernet Ports:                             <ul style="list-style-type: none"> <li>• TCP/IP 10/100BASE-T (SNIB2)</li> <li>• TCP/IP 10/100/1000BASE-T (SNIB3)</li> </ul> </li> </ul>

## Ordering Information

IDENTIV SKU	DESCRIPTION
SNIB3	Secure Network Interface Board 3
SNIB2	Secure Network Interface Board 2

Identiv, Inc. (NASDAQ: INVE) is the leading global player in physical security and secure identification. Identiv's products, software, systems, and services address the markets for physical and logical access control and a wide range of RFID-enabled applications. Customers in the government, enterprise, consumer, education, healthcare, and transportation sectors rely on Identiv's access and identification solutions. Identiv's mission is to secure the connected physical world: from perimeter to desktop access, and from the world of physical things to the Internet of Everything.

Identiv has offices worldwide. Addresses and phone numbers are listed at [identiv.com/contact](http://identiv.com/contact). For more information, visit [identiv.com](http://identiv.com).