

Data Sheet

SbC3100 and SbC3101 BNSDs B/IP B/SC

BACnet Network Segmentation Devices for BACnet/IP and BACnet/SC networks



The Secured by Cimetrix™ (SbC) solutions protect BAS systems by providing BACnet/SC connectivity management and cybersecurity features.

The SbC3100/SbC3101 BACnet Network Segmentation Devices (BNSD) connects nonsecure BACnet/IP and secure BACnet/SC network segments to BACnet/SC networks without compromising performance, reliability or security. SbC3100/SbC3101 are fully compliant with BACnet network layer routers, with additional capabilities to monitor and enforce BACnet Firewall policies on the BACnet traffic passing between network segments.



SbC3100/SbC3101 BNSD's FEATURES

- Three Ethernet ports: Two for BACnet segmentation and a dedicated port for configuration.
- **Connects/Segments unsecured BACnet/IP or secured BACnet/SC networks from secured BACnet/SC Networks.**
- Built-in configurable BACnet Firewall Engine - Controls the flow of BACnet traffic between the connected networks (read only, read/write and block).
- IT integration via Syslog: Log real-time events, including BACnet Firewall actions.
- Support for OpenVPN Community Edition enables non-BACnet communication with devices on the unsecured and secured BACnet Ethernet networks.
- Wireshark packet capture on Ethernet.
- Web-based configuration interface.

CYBERSECURITY BENEFITS of SbC3100/3101 BNSDs:

- ⇒ SbC BACnet Firewall can reduce the severity of cybersecurity threats in segmented networks.
- ⇒ Building Automation System operators can be alerted to unexpected traffic due to misconfiguration or malicious actors.
- ⇒ Policy-based monitoring provides valuable visibility into the Building Automation System for IT network and security operations teams via syslog.

BACnet DETAILS

- Supports BACnet/SC TLS 1.3 or 1.2
- BACnet Protocol Revision 16

HARDWARE SPECIFICATIONS

Power Adapter Input Voltage	100–240 VAC, 50-60 Hz
Operating Temperature	0 to 40 C
Storage temperature	-30 to 50 C
Power consumption	12 VDC, 10W typical
Dimensions	15.8 x 16 x 2.5 cm
Weight	450 g
Ethernet Ports	(3) 10/100/1000 Mbps
Approvals	FCC Class A, CE
Router Enclosure	Metal

ORDERING INFORMATION

SbC3100 and SbC3101 BNSDs include power adapter and DIN rail mount

SbC3101 - Siemens and VAP dealer only part number

PRODUCT SUPPORT

Two year warranty on SbC3100 and SbC3101

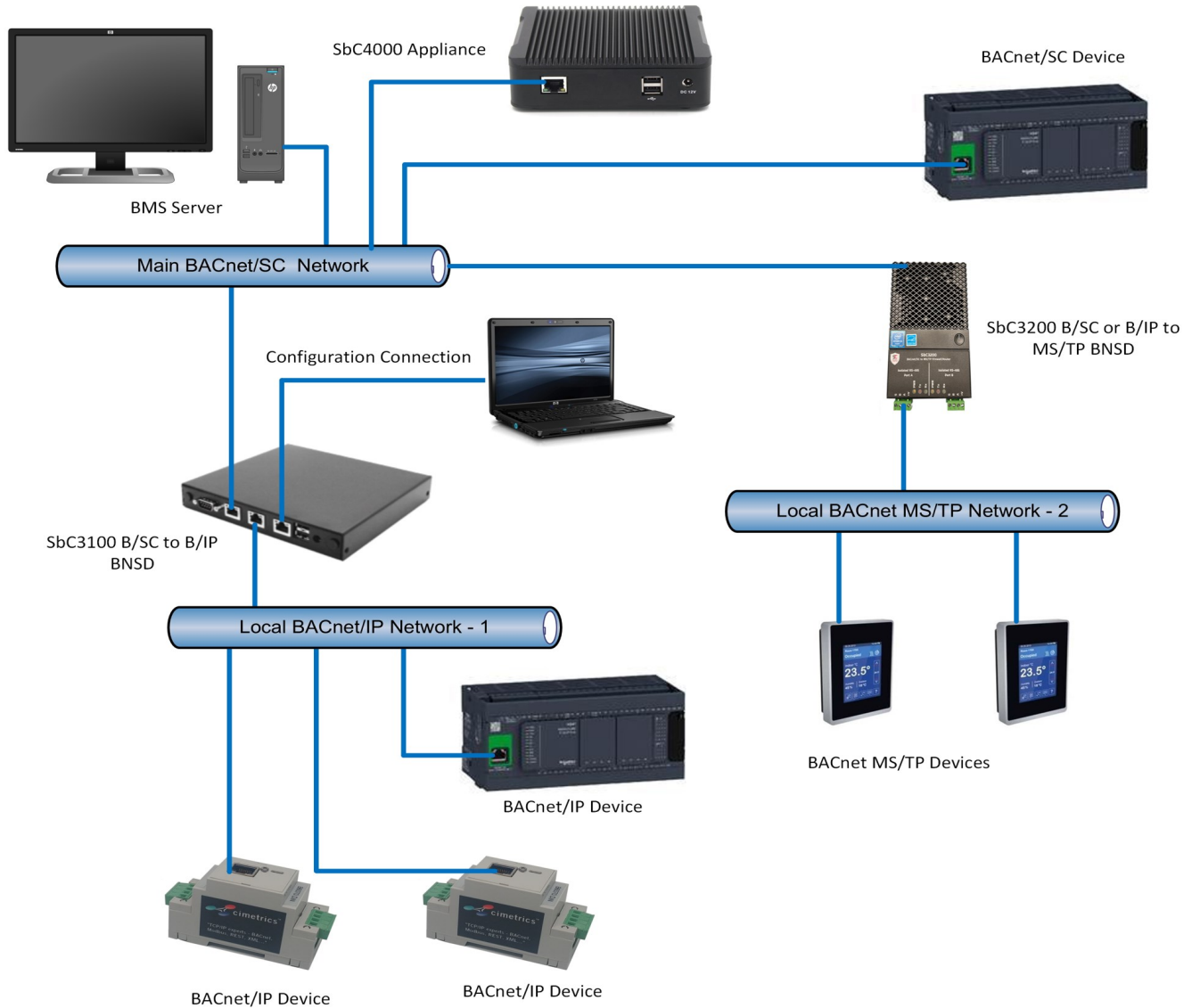
Free product technical support

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Deploy Your Network with Secured by Cimetrics

Cimetrics SbC3100 and SbC3101 BACnet Network Segmentation Devices segment unsecured BACnet/IP and BACnet/SC networks from BACnet/SC networks. In a typical deployment, a Secured by Cimetrics Appliance (SbC4000) monitors the BNSD's BACnet Firewall to detect and diagnose network and security issues. The SbC3100/SbC3101 BNSDs monitor and enforce policy on BACnet messages flowing between BACnet/IP and BACnet/SC network segments.



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