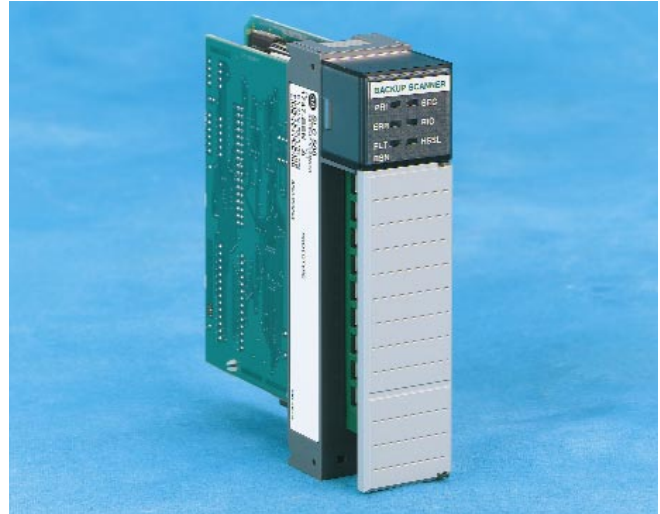


# Back Up Your SLC 500 Control System with the 1747-BSN



## Product Profile

The right choice when your application requires high availability at an affordable price



### Virtually Uninterrupted Process Operation

The 1747-BSN back-up scanner module provides continuous redundant back up operation for SLC-500 processors (SLC-5/02 or greater) and network communications. This module is designed for critical applications, in chemical processing, oil refining, and mining, where unexpected shutdowns can be potentially hazardous and costly. This SLC module contains the full complement of both Remote I/O scanner and back up features.

A pair of 1747-BSN modules and SLC-500 processors, primary and secondary, operate in a redundant (asynchronous data transfer) configuration with Remote I/O. The primary processor controls the I/O, while the secondary processor receives the same remote input data. The BSN modules communicate over a HSSL (High Speed Serial Link) to keep the secondary processor continuously updated with your retentive data. In the event of a primary processor failure the secondary processor takes over control of the system. The 1747-BSN module offers you virtually uninterrupted operation capability for your process.

### Network and Communications Back-up

The 1747-BSN module allows back up of your Remote I/O network, DH+ network and RS232/485 communications. When both DH+ and Remote I/O are backed up, two pairs of modules are required. Remote input data is automatically transferred by the BSN modules to the back-up processor, along with DH+ message data and up to 2K of customer retentive data, via the HSSL. For RS232/485 communications, the BSN module allows both back up and automatic switchover for devices, such as operator interfaces, connected to SLC-500 processor's Channel 0.

Allen-Bradley Replacement



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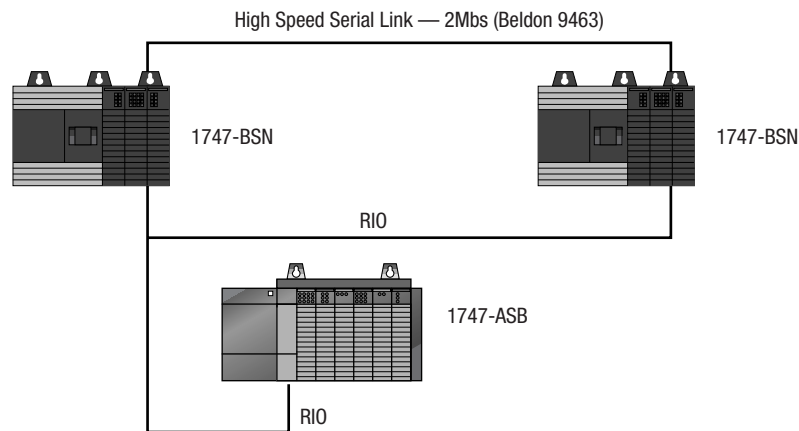
## Other 1746-BSN Features

- Repair primary system fault during secondary back-up system operation
- System hardware isolation guarantees primary system issues do not affect other systems
- Remote programming capability of secondary processor on DH+ (SLC-5/04 only)
- Minimal user program impact
- Back up system diagnostic information

## Back up Scanner Operating Specifications

Back-plane Current Consumption	800 mA at 5V
Operating Temperature	+32°F to +140°F (0°C to +60°C)
Storage Temperature	-40°F to +185°F (-40C to +85°C)
Humidity	5 to 95% without condensation
Noise Immunity	NEMA Standard ICS 2-230
Agency Certification (when product or packaging is marked)	C-UL listed - Class I, Division 2, Groups A, B, C, D, and Temp. Code T3C CE compliant for all applicable directives
Data Transfer over HSSL	2Mbits/sec
Maximum Pairs of 1747-BSN modules allowed/config.	8 pairs (16 modules) for 16K words max. data transfer
Switch over speed	50 mSec Max. (Outputs held in last state during switchover)

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**Americas Headquarters**, 1201 South Second Street, Milwaukee, WI 53204, USA, Tel: (1) 414 382-2000, Fax: (1) 414 382-4444  
**European Headquarters SA/NV**, avenue Herrmann Debroux, 46, 1160 Brussels, Belgium, Tel: (32) 2 663 06 00, Fax: (32) 2 663 06 40  
**Asia Pacific Headquarters**, 27/F Citicorp Centre, 18 Whitfield Road, Causeway Bay, Hong Kong, Tel: (852) 2887 4788, Fax: (852) 2508 1846

