



PRODUCT: BCS BASYX IPR

Product Overview

The BASYX IPR is a stand-alone repeater board which provides channel expansion of the BASYX communications bus. The IPR is installed as an RS485 repeater in systems which require multiple loops (channels) or extensive comm bus length. The BASYX IPR requires no programming or address setup, and works within the standard 255 total controller configuration.

The installation of the IPR module will allow channels to be installed on multi-floor or large segmented facilities without eliminating the requirement for one continuous daisy-chain comm bus within the system.



Software Specifications

The IPM contains TMS Proprietary Protocol utilizing the Internet's TCP Layer, and security issues are:

- No special security features are designed into the board.
- The unit does NOT accept any standard Internet Protocols such as HTTP or FTP.
- Since proprietary (developed in-house) protocol is used, unauthorized access and control would be highly unlikely without extensive reverse engineering and compromised personnel.
- Usual security precautions are recommended for sensitive situations, such as utilizing hardware based firewalls.

The IPM configuration software sets the following configurable parameters, which are stored in Flash Memory.

- IP Address
- Subnet Mask
- Gateway
- Port

The software can extract the MAC address if needed. The module does not utilize DHCP.

Product Specifications

Power Requirements:	5VDC (-10% / 5%), 50/60/Hz Current: 200mA Maximum
Ports:	RS-485 communications bus RS-232 direct connect bus Ethernet Connection
Environmental Limits:	Temperature: 32°F to 125°F. Humidity (non-condensing): 95%
Enclosure/Mounting:	Snap-Track
UL Listing:	ANSI/UL 916
Dimensions:	3.25"W x 2.125"H x 1.125"D
Shipping Weight:	Approx. 0.5 lbs.