



PB2 Board Module

Discrete & Analog Wire Replacement

SureCross® Performance embeddable board modules were specifically designed for the needs of industrial users to provide connectivity where traditional wired connections are not possible or cost prohibitive.

- Simple yet highly expandable
- Supports Point to Point and Star network topologies
- One Gateway can support up to 2 nodes

PB2 Gateway, 10-30 V DC

I/O	Frequency	Range†	Environmental Rating	Models
Inputs: Two sourcing discrete & Two 0-20 mA analog	900 MHz*	6 miles	IP67, NEMA 6	DX80G9M6S-PB2
Outputs: Two sourcing discrete & Two 0-20 mA analog	2.4 GHz**	2 miles		DX80G2M6S-PB2

PB2 Node, 10-30 V DC

I/O	Frequency	Range†	Environmental Rating	Models
Inputs: Two sourcing discrete & Two 0-20 mA analog	900 MHz*	6 miles	IP67, NEMA 6	DX80N9X6S-PB2
Outputs: Two sourcing discrete & Two 0-20 mA analog	2.4 GHz**	2 miles		DX80N2X6S-PB2

For accessories see page 670.

* Must be used with 900 MHz Gateway

** Must be used with 2.4 GHz Gateway

† Line of sight with included 2 dB antenna. High-gain antennas available for increased range. See page 670.

PB2 Specifications

Range	900 MHz: Up to 9.6 kilometers (6 miles)* 2.4 GHz: Up to 3.2 kilometers (2 miles)* * Line of sight with included 2 dB antenna. High-gain antennas available for increased range. See page 670.
Transmit Power	900 MHz (1 Watt): 30 dBm (1 W) conducted (up to 36 dBm EIRP) 2.4 GHz: 18 dBm (65 mW) conducted, less than or equal to 20 dBm (100 mW) EI
Network Size	1 Gateway and 1 Node, pre-mapped from factory Other advanced options available. Contact factory for more information.
I/O	Discrete, Analog
Power	10 to 30 V dc (For European applications: 12 to 24 V dc, +/- 10%)
Power Consumption	900 MHz, 1 Watt: Approx. 30 mA 900 MHz, 250 mW: Approx. 25 mA 2.4 GHz, 65 mW: Approx. 20 mA

See Bannerengineering.com for more detailed specifications.

