PM8 Series
Digital Wire Replacement

The SureCross® PM Series radios easily replaces Discrete and Analog signal wires, and with no setup software needed, the radios are easy to apply, use and support.

- Simple yet highly expandable
- Eight LCD menu selectable I/O mapping options
- IP67 rated housing for use in demanding environments
- One Gateway can support up to 6 nodes

PM8 Gateway, 10-30 V DC

I/O	Frequency	Range†	Environmental Rating	LCD Screen	Models
Inputs: Six sourcing discrete	900 MHz	6 miles	IP67, NEMA 6	Yes	**DX80N9X6S-PM8**
Outputs: Six sourcing discrete	2.4 GHz	2 miles			**DX80G2M6S-PM8**

PM8 Node, 10-30 V DC

I/O	Frequency	Range†	Environmental Rating	LCD Screen	Models
Inputs: Six sourcing discrete	900 MHz*	6 miles	IP67, NEMA 6	Yes	**DX80N9X6S-PM8**
Outputs: Six sourcing discrete	2.4 GHz**	2 miles			**DX80N2X6S-PM8**

PM8L Node, 10-30 V DC

I/O	Frequency	Range†	Environmental Rating	LCD Screen	Models
Inputs: Six sourcing discrete	900 MHz*	6 miles	IP67, NEMA 6	No	**DX80N9X6S-PM8L**
Outputs: Six sourcing discrete	2.4 GHz**	2 miles			**DX80N2X6S-PM8L**

PM8 Kits, 10-30 V DC

I/O	Frequency	Range†	Environmental Rating	Description	Models
Inputs: Six sourcing discrete	900 MHz	6 miles	IP67, NEMA 6	Includes one PM8 Gateway, and one PM8 Node	**DX80K9M6-PM8**
Outputs: Six sourcing discrete	2.4 GHz	2 miles			**DX80K2M6-PM8**

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.

PM Series Specifications

Power	10 to 30 V dc (For European applications: 12 to 24 V dc, +/- 10%)
Radio 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) EIRP)
Network Size	1 Gateway and 1 Node, pre-mapped from factory Other advanced options available. See data sheet for more information.
I/O	Discrete and Analog depending on model
Power Consumption	**900 MHz Consumption**: Maximum current draw is <100 mA and typical current draw is <50 mA at 24 V dc. 2.4 GHz consumption is less
Environmental Rating	IEC IP67; NEMA 6

See Bannerengineering.com for more detailed specifications.