

SureCross® PM Series



An I/O radio network that combines long range coverage with ease of use.

SureCross PM Series of I/O radios provides a flexible network, that allows you to distribute discrete and analog signals over long ranges. With no software required, you can replace cables and extend the range of digital and analog signals with minimum effort.

Easy to Apply

- Choose from two I/O model configurations
- Select from multiple I/O maps

Easy to Use

- No software needed
- Menu-driven LCD User Interface

Easy to Support

- Use LCD for I/O and signal strength monitoring
- Advanced expandability via User Configuration Tool

Simple Wire Replacement

Applications

- Call for parts
- Machine status
- Remote indication
- Supervisory control
- Digital or analog wire replacement

Easy to Deploy

1. Choose I/O map
2. Bind radios
3. Wire in I/O connections

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Specifications

Radio

Radio Range	900 MHz (1 Watt): Up to 9.6 kilometers (6 miles)* 2.4 GHz (65 mW/100mW EIRP): Up to 3.2 kilometers (2 miles)*
900 MHz Compliance (1 Watt Radio)	ISM Band (Region 2) The Americas and Greenland
2.4 GHz Compliance	ISM Band World Wide
Spread Spectrum Technology	FHSS (Frequency Hopping Spread Spectrum)

* Line of sight with included 2 dB antenna. High-gain antennas available for increased range

I/O Types

Gateways	
DX80G*M6S-PM2	4 Discrete IN (PNP/NPN selectable) 4 Discrete OUT (PNP) 2 Analog IN (0 to 20 mA) 2 Analog OUT (0 to 20 mA)
DX80G*M6S-PM8	6 Discrete In (PNP/NPN selectable) 6 Discrete Out (PNP)
Nodes	
DX80N*X6S-PM2	4 Discrete IN (PNP/NPN selectable) 4 Discrete OUT (PNP) 2 Analog IN (0 to 20 mA) 2 Analog OUT (0 to 20 mA)
DX80N*X6S-PM8	6 Discrete IN (PNP/NPN selectable) 6 Discrete OUT (PNP)
DX80N*X6S-PM8L	6 Discrete IN (PNP/NPN selectable) 6 Discrete OUT (PNP)

General

Power	+10 to 30Vdc
Wiring Access	Two ½ inch NPT fittings or external removable terminal strip models available
Housing	Polycarbonate
Antenna Connection	Reverse Polarity SMA
Hardware Interface	Two push buttons LCD screen Two 16 position rotary switches
Software Interface	Local GUI system via push buttons and LCD screen Software UCT tool available for advanced expandability

Environmental

Rating	Standard Housing version: IEC IP67; NEMA 6 “C” Model Housing version: IEC IP20; NEMA 1
Conditions	Operating Temperature: -40 to +85° C Operating Humidity: 95% max. relative (non-condensing) Radiated Immunity: 10 V/m, 80 to 2700 MHz
Shock and Vibration	Shock: 30 g Vibration: 10 to 60 Hz

I/O Maps

