

Ethernet Data Radio

Ethernet & Serial Wire Replacement

SureCross® MultiHop Ethernet Data Radios are wireless industrial communication devices used to extend the range of serial communication networks.

- No IP address configuration is required
- Built-in site survey mode enables rapid assessment of a location's RF transmission properties



ER 900 MHz, 10-30 V DC

Environmental Rating	Protocol	Range	Models*
IP20, NEMA 1	Ethernet	6 miles**	DX80ER9M-H

* MUST BE USED WITH 900 MHz MODELS

ER 2.4 GHz, 10-30 V DC

Environmental Rating	Protocol	Range	Models*
IP20, NEMA 1	Ethernet	2 miles**	DX80ER2M-H

* MUST BE USED WITH 2.4 GHz MODELS

Ethernet Radio 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	One Master Radio and multiple Slave radios per network. Other advanced options available. Contact factory for more information.
Power	10 to 30 V dc (For European applications: 12 to 24 V dc, +/- 10%)
Environmental Rating	IEC IP67; NEMA 6

See Bannerengineering.com for more detailed specifications.



For accessories see page 670.

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