DXMR90 Industrial Controller

SNAP SIGNAL



IIoT Enabling Industrial Controller

- Collect and process device data right at the source for real-time condition monitoring, streamlining installation and reducing the size of the control cabinet
- Use with a wide range of serial devices and share data via EtherNet/IP[™], Modbus® TCP, or PROFINET[®] networks
- Easily configure internal logic controller using simple action rules, plus MicroPython and ScriptBasic for programming, logging, and data manipulation
- Consolidate signals from sensors and other connected devices, including legacy devices converted by Snap Signal products, via the four Modbus client ports
- Share device data with cloud services, such as Banner's Cloud Data Services (CDS), for cloud-based monitoring and alerting to and from anywhere



DXMR90



• Two D-Code Ethernet port

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IO-Link Maste

Analog to IO-Link

Discrete to Modbus

Distribute

IO-Link

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IO-Link

IO-Link Hub

Conv

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SCADA

HMI/PLC

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Industrial Ethe

Industrial

Modbus

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• Unique polling rates

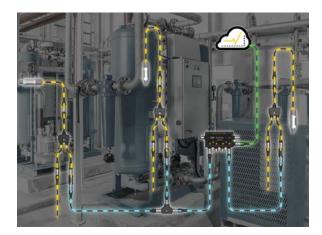
SNAP **SIGNAL**

Improve productivity, quality, and reliability with actionable data. Build smart machines and smarter factories with Snap Signal.

Snap Signal products are plug-and-play, helping customers gather information from their equipment and making it simple to view from anywhere. End-Users can use it as an overlay to harvest data from legacy equipment. Simply tee into existing devices using a splitter, regardless of signal type, to gather enriched machine-level data without disturbing the existing controls. Machine Builders and System Integrators benefit from being able to add monitoring technology to equipment that can tie into any upstream system for data visualization. Network

Where does the DXMR90 fit into Snap Signal?

The DXMR90 is a central component of Banner's Snap Signal system for device monitoring. This Industrial Controller houses a processor that receives signals from sensors and other connected devices, through four dedicated Modbus ports. As a centralized hub, the DXMR90 Connec combines all of these signals into one unified stream of insightful diagnostic data which can be Capture exported out through industrial Ethernet protocols.

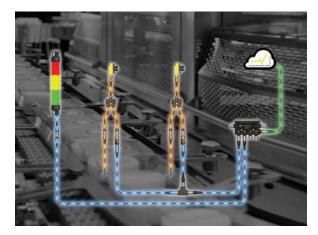


Tap into Pressure Sensor Data for Immediate Insights

- Monitor system pressure at various locations in real-time
- Use active monitoring to quickly identify potential failures or leaks
- Combine incoming pressure sensor information for a comprehensive data stream to the cloud

Maximize Throughput and Reduce Downtime by Harnessing Sensor Data from Your Equipment

- Monitor production throughput and performance using existing sensors and Snap Signal converters
- Calculate OEE metrics, such as availability, performance, and quality, locally
 on the DXMR90 industrial controller
- Send actionable data to the cloud directly from the DXMR90



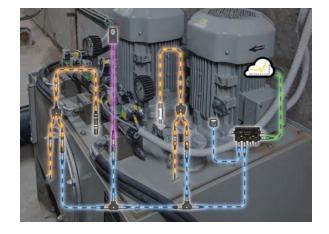


Provide Real-Time Tank Level Monitoring Data to Efficiently Manage Inventory

- Connect existing ultrasonic or radar tank-level sensors
- Monitor tank volume and make decisions at the sensor level with the DXMR90
- Send actionable tank-level data and alerts to Banner CDS

Keep Hydraulic Power Units Running at Peak Performance

- Add Snap Signal converters to sensors measuring any machine condition, such as pressure, current, oil temperature, and vibration
- Send data from hydraulic machinery to the DXMR90 for real-time condition monitoring
- Set alerts locally or in the cloud to respond to potential failures quickly

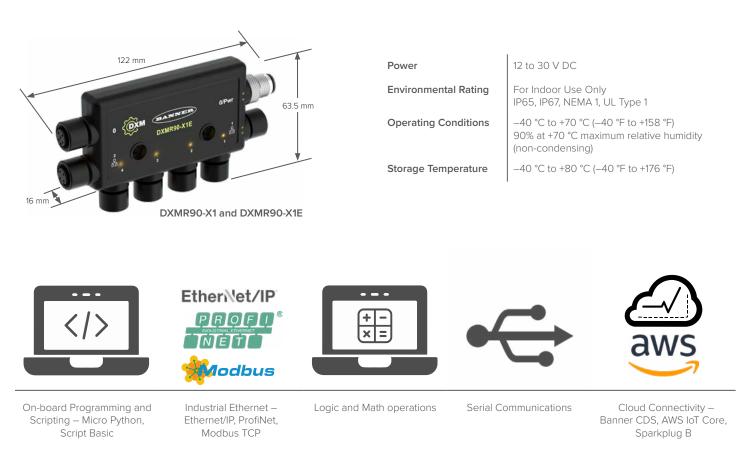




DXMR90 Industrial Controller

Ethernet Connection	Modbus Connections	Other Connections	Model
One female M12 D-Code Ethernet Connector	Four female M12 connections for Modbus client connections	One male M12 (Port 0) for incoming power and Modbus RS-485, one female M12 for daisy chaining Port 0 signals.	DXMR90-X1
Two female M12 D-Code Ethernet Connectors	Four female M12 connections for Modbus client connections	One male M12 (Port 0) for incoming power and Modbus RS-485, one female M12 for outgoing power and daisy chaining Port 0 signals	DXMR90-X1E

Specifications _



Accessories



SMBR90S Mounting Bracket



R50C-POE-24Q Power over Ethernet (PoE) splitter for use with a PoE switch



4-pin M12 D-code to RJ45 Shielded Ethernet*

STP-M12D-406 1.83 m (6') **STP-M12D-415** 4.57 m (15') **STP-M12D-430** 9.14 m (30')

*One two meter cordset is included with purchase



4-pin M12 D-code Double-Ended Male Ethernet

BCD-M12DM-M12DM-0.3M 0.3 m (1') BCD-M12DM-M12DM-1M 1 m (3.2')



4-Pin M12 Double-Ended Straight Connector

BC-M12F4-M12M4-22-2 2 m (6.5') BC-M12F4-M12M4-22-5 5 m (16.4') BC-M12F4-M12M4-22-10 10 m (32.8')



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