

## product BRIEF

### NXR Series IP67 Remote IO with IO-Link for EtherNet/IP™ or EtherCAT®



The NXR Remote IO series provides value across multiple positions in an organization. From supply chain being able to reduce model numbers and inventory, to simplifying setup time for automation engineers, the NXR series offers a flexible Remote IO solution allowing companies to realize the values of IIoT more easily. The NXR configuration flexibility allows IO-Link and digital IO to be combined easily into one part number.

The NXR is available in two separate network models, EtherNet/IP for data-intensive applications and ease of connecting to third party controllers, and EtherCAT for simplifying setup and configuration. The EtherCAT model offers market first PC-less maintenance and setup, making field replacement fast and easy with technicians not needing to rely on PC's.

#### Primary Benefits

- Reduce downtime during maintenance with the NXR EtherCAT PC-Less Dip Switch feature. Trained maintenance engineers with a PC and Software are not required to be onsite to perform a replacement.
- Reduce and consolidate part numbers by utilizing fully configurable ports.
- Reduce costs by converting expensive analog devices to IO-Link, and utilizing remote IO instead of control panels.
- Setup IO-Link devices automatically in the software when paired with a Sysmac Controller – like the NX502 or NX102.

#### Applications:

- Automotive welding, tooling, assembly, and machining.
- Conveyors and applications with IO installed a large distance from the controller.
- Any application where control panel simplification and cost reduction is considered.

#### Key Features

- EtherNet/IP and EtherCAT Models
- Up to 8 IO-Link connections, or 2 digital I/O per port (16 Total)
- 2 A max output load current per I/O point - 9 A total per master
- Dip switch port setting for PC-Less maintenance and setup – Market First (EtherCAT Model Only)
- Dip switch setting for IP/Node Address
- LED status and output indication
- IO-Link Hubs for simple digital IO expansion
- Short Circuit Detection and Protection
- Cable Break Monitoring
- Third Party controller Function Blocks and AOI available for Rockwell and Beckhoff Controllers - Ask your local AM or FAE for details

# NXR Series IP67 Remote IO with IO-Link for EtherNet/IP™ or EtherCAT®



## Product Selection

| Unit                       | IO Capacity                               | Max Output Load Current | Model          |
|----------------------------|-------------------------------------------|-------------------------|----------------|
| EtherCAT IO-Link Master    | 8 IO-Link ports (or up to 16 Digital I/O) | 2 A per point           | NXR-ILM08C-ECT |
| EtherNet IP IO-Link Master | 8 IO-Link ports (or up to 16 Digital I/O) | 2 A per point           | NXR-ILM08C-EIT |
| IO-Link Hub                | 16 Digital Inputs                         | N/A                     | NXR-ID166C-IL2 |
|                            | 16 Digital Inputs/Outputs                 | 0.5 A per point         | NXR-CD166C-IL2 |

## Communication Cables

| M12 to RJ45 – Straight Connectors |                  | M12 to M12 - Straight Connectors |                  |
|-----------------------------------|------------------|----------------------------------|------------------|
| Length (Meters)                   | Part Number      | Length (Meters)                  | Part Number      |
| 1                                 | XS2W-T421-CMC-SS | 1                                | XS2W-T421-CM2-SS |
| 2                                 | XS2W-T421-DMC-SS | 2                                | XS2W-T421-DM2-SS |
| 5                                 | XS2W-T421-GMC-SS | 5                                | XS2W-T421-GM2-SS |
| 10                                | XS2W-T421-JMC-SS | 10                               | XS2W-T421-JM2-SS |

\*90 Degree Cables also available.

## Power Cables

| 7/8" connector to flying leads – Straight Connectors |                | 7/8" connector to 7/8" connector - Straight Connectors |                |
|------------------------------------------------------|----------------|--------------------------------------------------------|----------------|
| Length (Meters)                                      | Part Number    | Length (Meters)                                        | Part Number    |
| 1                                                    | 21349700495010 | 1                                                      | 21349697495010 |
| 2                                                    | 21349700495020 | 2                                                      | 21349697495020 |
| 5                                                    | 21349700495050 | 5                                                      | 21349697495050 |
| 10                                                   | 21349700495100 | 10                                                     | 21349697495100 |

\*90 Degree Cables also available.

## Accessories

| Unit                                                                                                    | Description                            | Model       |
|---------------------------------------------------------------------------------------------------------|----------------------------------------|-------------|
| <br>Y Cable Splitter | For connecting two devices to one port | XS5R-D426-1 |