

Ordering Information

Product name	Number of IO-Link ports	Degree of protection	Port connection	Model
EtherNet/IP IO-Link Master Unit	8	IP67	M12 connector (A-cording, female)	NXR-ILM08C-EIT

Product name	Number of inputs/outputs	Degree of protection	I/O connector	Model
IO-Link I/O Hub	16 inputs	IP67	8 M12 connectors (A-cording, female)	NXR-ID166C-IL2
	16 inputs/outputs			NXR-CD166C-IL2

Specifications

Product name	Item		Specification	
EtherNet/IP IO-Link Master Unit	EtherNet/IP communications	Baud rate, Ethernet physical layer	10 Mbps/100 Mbps, 100BASE-TX/10BASE-T	
		Ethernet switch	Layer 2 Ethernet switch	
		Functions	Communication cable diagnostics	
			Network statistical information acquisition	
	QuickConnect			
	IO-Link port	Connector, number of ports	Class A, 8 ports	
		Baud rate	COM1: 4.8 kbps, COM2: 38.4 kbps, COM3: 230.4 kbps	
	Digital inputs in SIO (DI) Mode	Number of inputs	16	
		Short-circuit protection, short-circuit detection	Provided	
	Digital outputs in SIO (DI) Mode	Number of outputs	16	
Short-circuit protection, short-circuit detection		Provided		

Product name	Item		Specification
IO-Link I/O Hub	IO-Link	Baud rate	COM2: 38.4 kbps
	Digital inputs	Number of inputs	16 (digital input hub), 0 to 16 (digital input/output hub)
		Short-circuit protection, short-circuit detection, disconnection detection	Provided
	Digital outputs	Number of outputs	0 to 16 (digital input/output hub)
		Short-circuit protection, short-circuit detection, disconnection detection	Provided

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Note: Do not use this document to operate the Unit.

OMRON Corporation Industrial Automation Company
 Kyoto, JAPAN

Contact: www.ia.omron.com

Regional Headquarters
OMRON EUROPE B.V.

Wegalaan 67-69, 2132 JD Hoofddorp
 The Netherlands
 Tel: (31)2356-81-300/Fax: (31)2356-81-388

OMRON ELECTRONICS LLC
 2895 Greenspoint Parkway, Suite 200
 Hoffman Estates, IL 60169 U.S.A.
 Tel: (1) 847-843-7900/Fax: (1) 847-843-7787

OMRON ASIA PACIFIC PTE. LTD.
 No. 438A Alexandra Road # 05-05/08 (Lobby 2),
 Alexandra Technopark,
 Singapore 119967
 Tel: (65) 6835-3011/Fax: (65) 6835-2711

OMRON (CHINA) CO., LTD.
 Room 2211, Bank of China Tower,
 200 Yin Cheng Zhong Road,
 PuDong New Area, Shanghai, 200120, China
 Tel: (86) 21-5037-2222/Fax: (86) 21-5037-2200

Authorized Distributor:

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 In the interest of product improvement,
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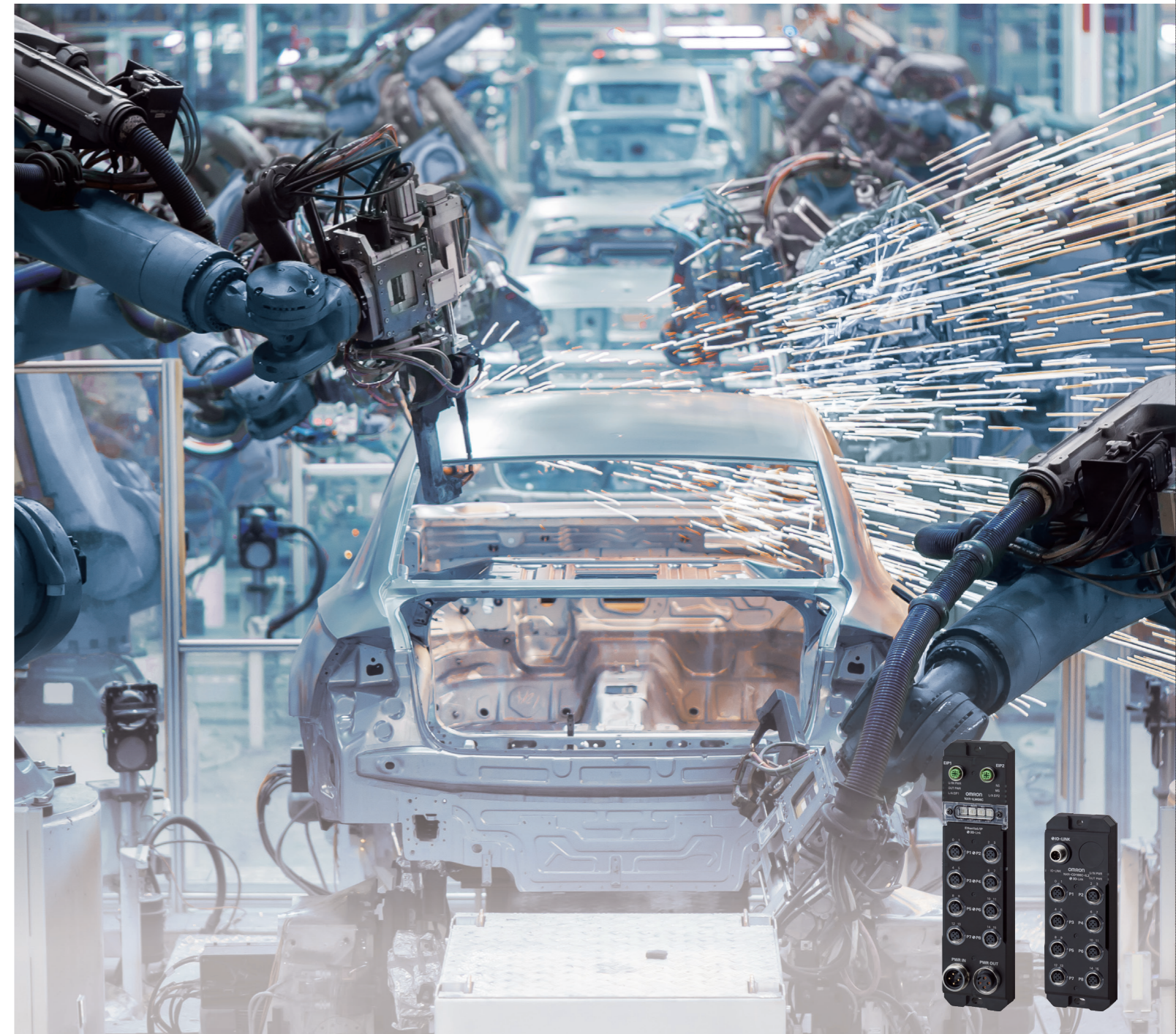
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IP67 Remote Terminal NXR Series
 EtherNet/IP IO-Link Master Unit

OMRON

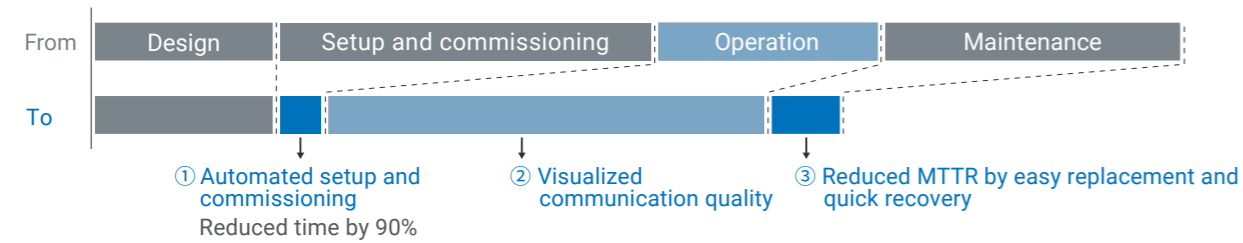
Innovative commissioning and maintenance IP67 Remote Terminal



IO-Link **EtherNet/IP™**

Streamline commissioning and maintenance of production equipment

In order to address the chronic shortage of engineers or utilize information technology at manufacturing sites, modern network technology is being rapidly adopted. However, since conventional methods cannot be used, some problems, such as increase in MTTR and commissioning time, are arising on production floors. As a solution to these problems, Omron analyzed unnecessary and inefficient work in production processes, and developed NXR Series that comes equipped with various functions to save time.



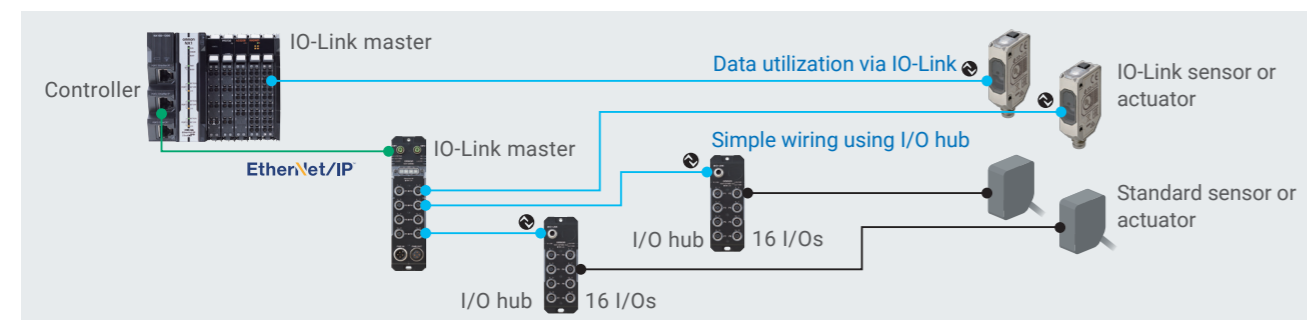
IP67 Remote Terminal

No control panel required



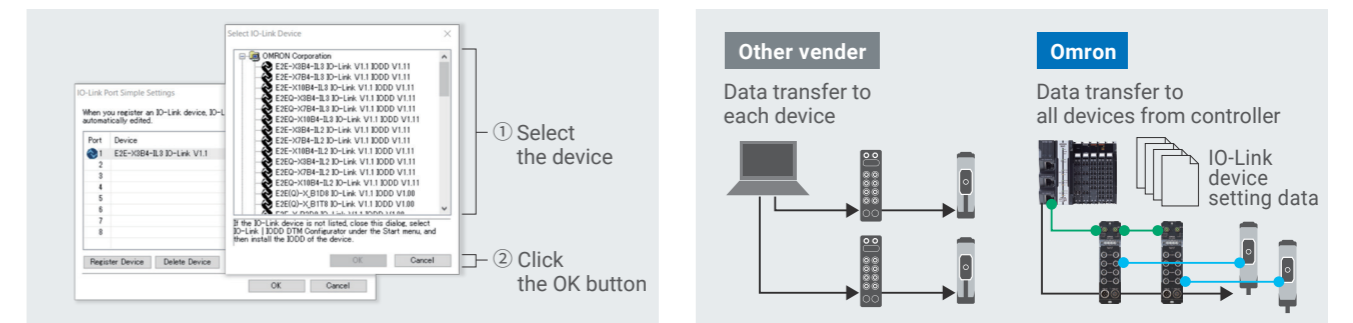
Reduced wiring system

Adding the IO-Link I/O hub simplifies wiring while providing the capability of data utilization.



Simple and quick setup and commissioning

Automatic setting of IO-Link parameters on the configuration tool and transfer of remote terminal and IO-Link device settings from the controller significantly reduce setup time. (Comparison with previous Omron products: 1/10)

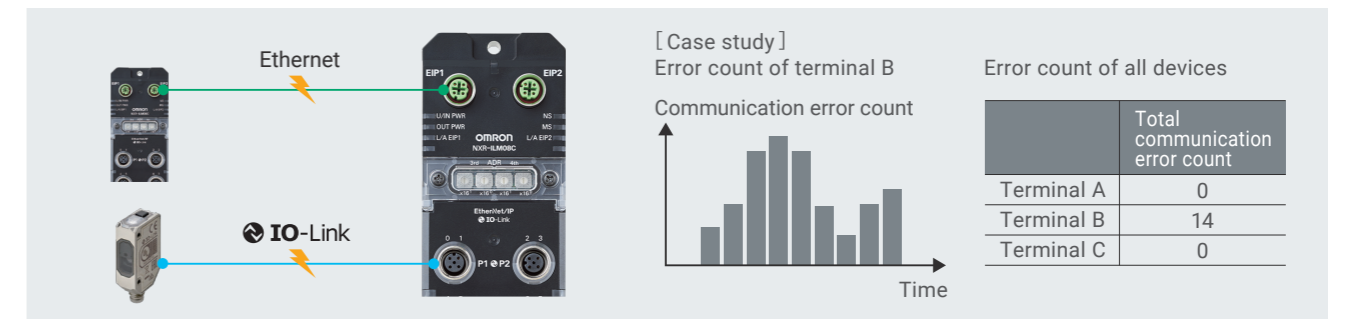


Just select devices to update all parameters at the same time. Simple configuration prevents human errors.

Configuring all devices at once from the controller eliminates the need to configure each device individually, greatly cutting down setup time.

Stable operation by visualizing communication quality

Quantified Ethernet and IO-Link communication statuses allow you to find network cabling errors before operation. During operation, the communication statuses can be monitored, making it possible to check the system before it suddenly stops.



Short MTTR by easy replacement and quick recovery

I/O cable and communication cable diagnostics

The remote terminal detects disconnections or short circuits in I/O cables, and reports approximate locations of disconnections or short circuits in Ethernet cables.

Replacement without software

The IP address can be set using the hardware switch, without using special software.

