

Easy and reliable way to adopt IoT for production sites

NEW

Easy and quick setup and commissioning



QoS for EtherNet/IP™ can be easily enabled without software settings (by turning ON a DIP switch).



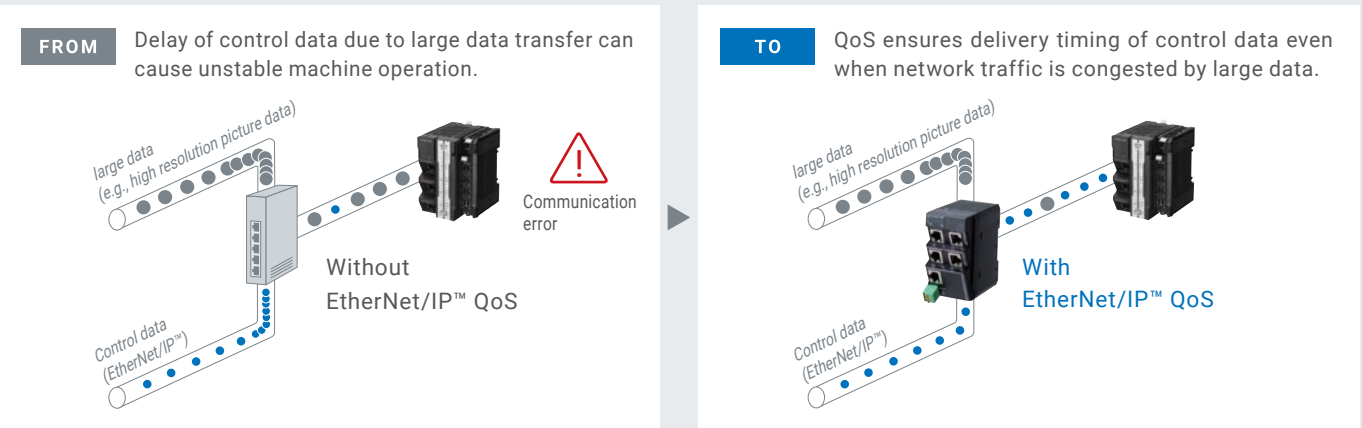
Easy wiring by push-in connector reduces wiring time by 60%.*2



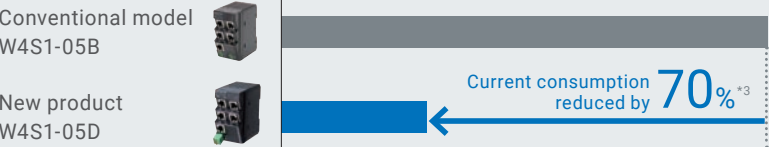
Environmental resistance for industrial use and QoS function*1 contribute to stable operation

Noise and vibration resistant for industrial use maintains reliable data transfer.

The QoS function optimizes for EtherNet/IP™ communication required for machine control.



Energy saving



*1. Quality of Service (traffic prioritization control)
*2. Compared with Omron's screw type in February 2021.
*3. Compared with Omron's conventional model in February 2021.

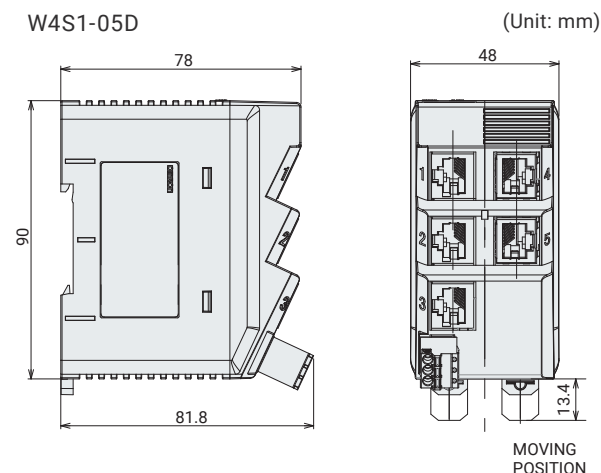
Ordering Information

Product name	No. of ports	Accessories	Model
Industrial Switching Hub	5	Power supply connector	W4S1-05D

Functions

No. of ports (RJ45)	5
Ethernet standards	IEEE 802.3 10BASE-T, 100BASE-TX
Auto MDI/MDI-X	Yes
Auto Negotiation	Yes
Store-and-Forward system	Yes
Buffer	125 KB
Broadcast Storm Detection Function	Yes
QoS for EtherNet/IP	Yes
SNMP	No
VLAN	No
STP	No
IGMP Snooping	No
Port mirroring	No

Dimensions



Specifications

Current consumption	70 mA	Vibration Resistance	Conforms to IEC 60068-2-6 5 to 8.4 Hz, 3.5 mm amplitude, 8.4 to 150 Hz, acceleration 9.8 m/s ²
Power supply voltage	24 VDC (20.4 to 28.8 VDC)	Shock Resistance	Conforms to IEC 60068-2-27 196 m/s ²
Power consumption	1.68 W max.	Enclosure	Mounted in a panel
Wire Type	0.14 to 1.5 mm ²	Atmosphere	Must be free from corrosive gases.
Switching capacity (Switching fabric) *1	700 Mbps	Ambient operating temperature	0 to 55 °C (with no icing or condensation)
Ground method	Ground to less than 100 Ω.	Ambient operating humidity	10 % to 95 % (with no condensation)
Dielectric strength	1 mA at 250 VAC for 1 minute (Between LAN connectors and between FG and power supply connectors)	Ambient storage temperature	-20 to 75 °C (with no icing or condensation)
EMI and EMS	IEC 61000-6-4 Conforms to IEC 61000-6-2	Applicable standards	cULus, EU, RCM, KC

*1 Switching capacity per Unit.

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The product photographs and figures that are used in this catalog may vary somewhat from the actual products.

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 ASIA PACIFIC PTE. LTD.

438B Alexandra Road, #08-01/02 Alexandra
Technopark, Singapore 119968
Tel: (65) 6835-3011 Fax: (65) 6835-3011

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 (CHINA) CO., LTD.

Room 2211, Bank of China Tower,
200 Yin Cheng Zhong Road,
PuDong New Area, Shanghai, 200120, China
Tel: (86) 21-6023-0333 Fax: (86) 21-5037-2388

Authorized Distributor:

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