

Easy and reliable way to adopt IoT for production sites

NEW



Easy and quick setup and commissioning



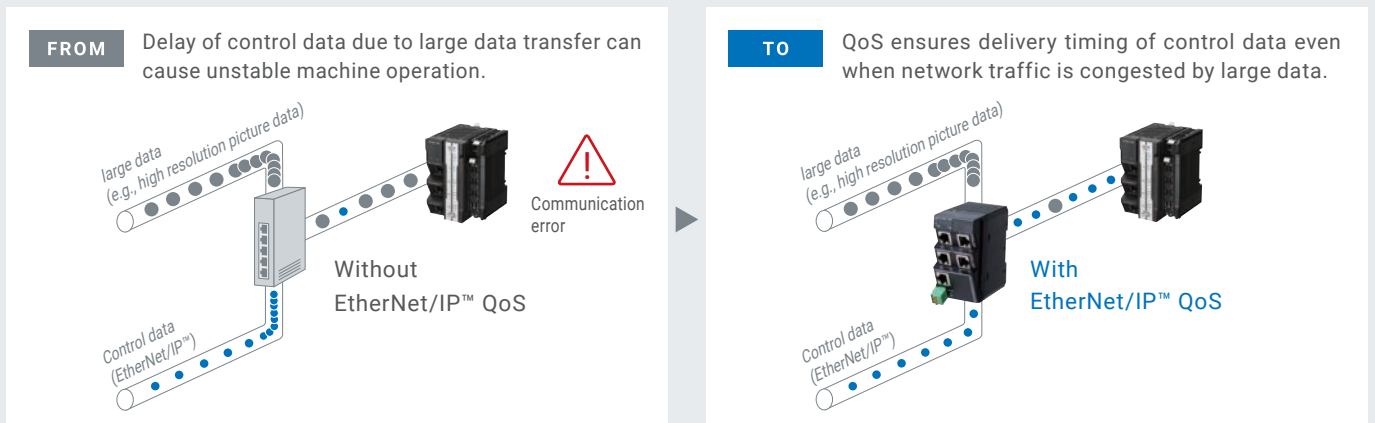
QoS for EtherNet/IP™ can be easily enabled without software settings (by turning ON a DIP switch).



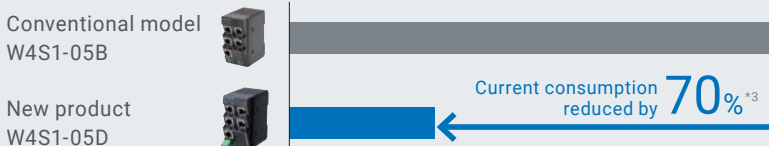
Easy wiring by push-in connector reduces wiring time by 60%.*2

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.

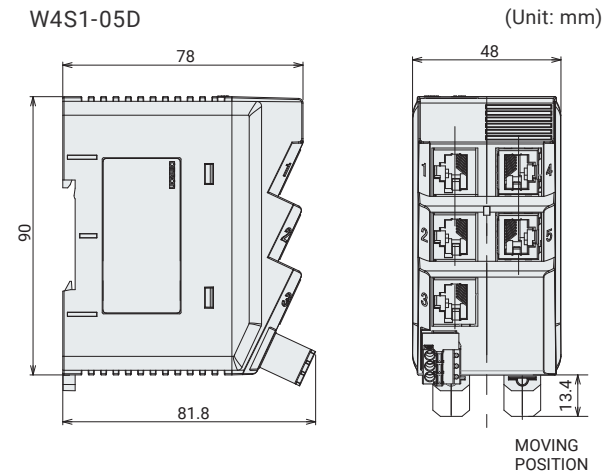
Ordering Information

| 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, EAC, KC |

*1 Switching capacity per Unit.

EtherNet/IP™ is trademarks of ODVA.

Other company names and product names in this document are the trademarks or registered trademarks of their respective companies.

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

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

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) 21-5037-2222/Fax: (86) 21-5037-2200

Authorized Distributor:

© OMRON Corporation 2021 All Rights Reserved.
In the interest of product improvement,
specifications are subject to change without notice.

CSM_1_1
Cat. No. R203-E1-01

0321(0321)