

Easy and reliable way to adopt IoT for production sites

NEW



Easy and quick setup and commissioning



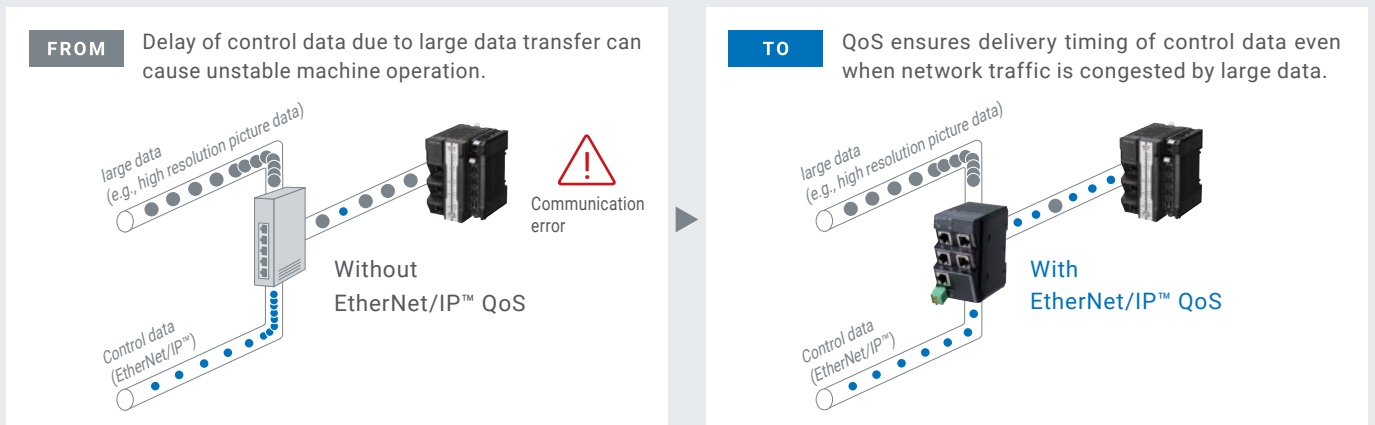
QoS for EtherNet/IP™ can be easily enabled without software settings (by turning ON a DIP switch).



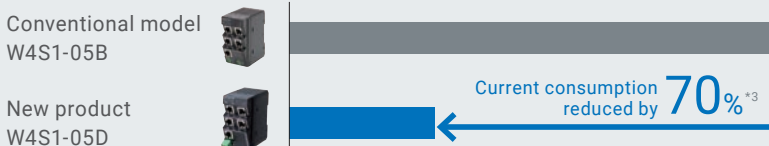
Easy wiring by push-in connector reduces wiring time by 60%.*2

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.

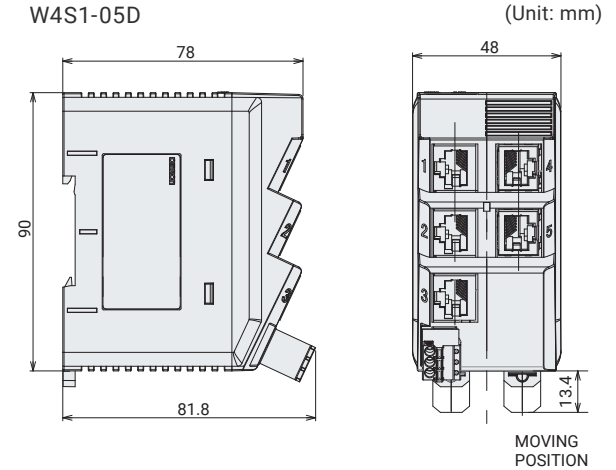
Ordering Information

| 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.

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