

# Easy and reliable way to adopt IoT for production sites

NEW



## Easy and quick setup and commissioning



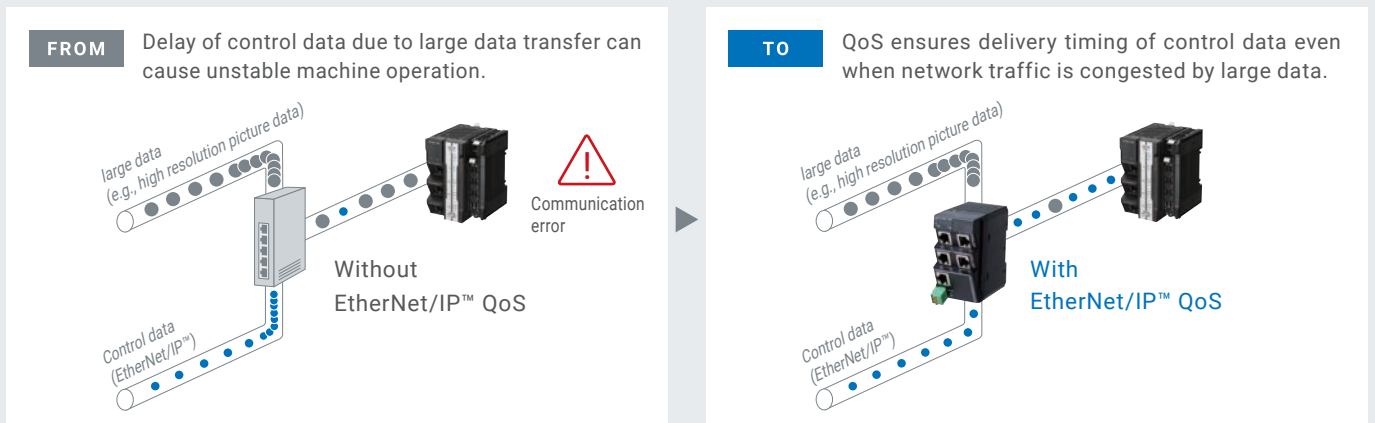
QoS for EtherNet/IP™ can be easily enabled without software settings (by turning ON a DIP switch).



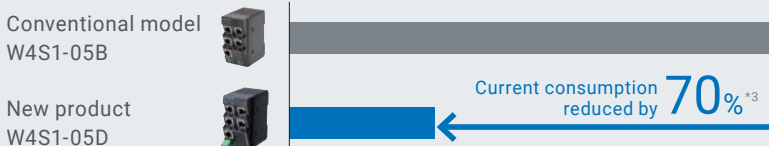
Easy wiring by push-in connector reduces wiring time by 60%.\*2

## 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.

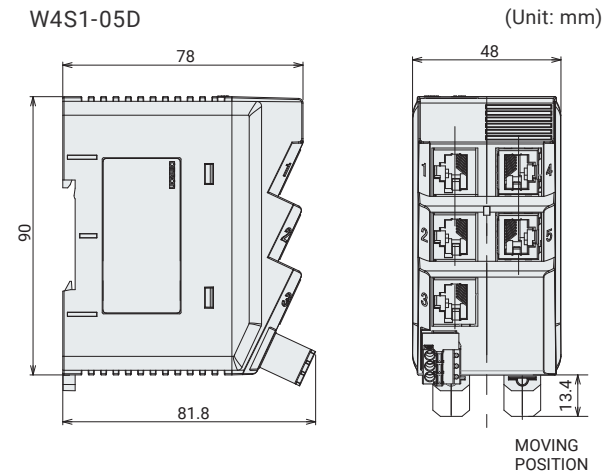
# Ordering Information

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
Power supply voltage	24 VDC (20.4 to 28.8 VDC)
Power consumption	1.68 W max.
Wire Type	0.14 to 1.5 mm <sup>2</sup>
Switching capacity (Switching fabric) *1	700 Mbps
Ground method	Ground to less than 100 Ω.
Dielectric strength	1 mA at 250 VAC for 1 minute (Between LAN connectors and between FG and power supply connectors)
EMI and EMS	IEC 61000-6-4 Conforms to IEC 61000-6-2

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 <sup>2</sup>
Shock Resistance	Conforms to IEC 60068-2-27 196 m/s <sup>2</sup>
Enclosure	Mounted in a panel
Atmosphere	Must be free from corrosive gases.
Ambient operating temperature	0 to 55 °C (with no icing or condensation)
Ambient operating humidity	10 % to 95 % (with no condensation)
Ambient storage temperature	-20 to 75 °C (with no icing or condensation)
Applicable standards	cULus, EU, RCM, EAC, 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.

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