

RUGGED DESIGN. SUITABLE FOR A RANGE OF APPLICATIONS

Compact Unmanaged Industrial Ethernet Switches equipped with various features

Metal Housing	-40°C to +75°C	Noise-Resistant	Redundant Power Input
QoS supported <small>(*1)</small>	IGMP Snooping <small>(*1)</small>	Broadcast Storm Protected	9-60V DC <small>(*2)</small> 18-30V AC

*1) 8 port-type only

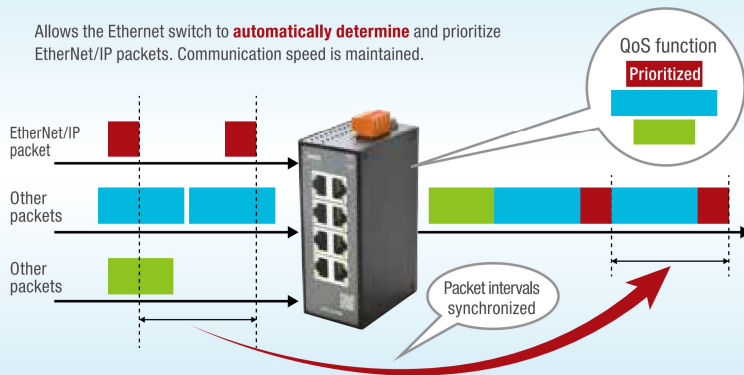
*2) 5 port-type only



QoS Function

EtherNet/IP

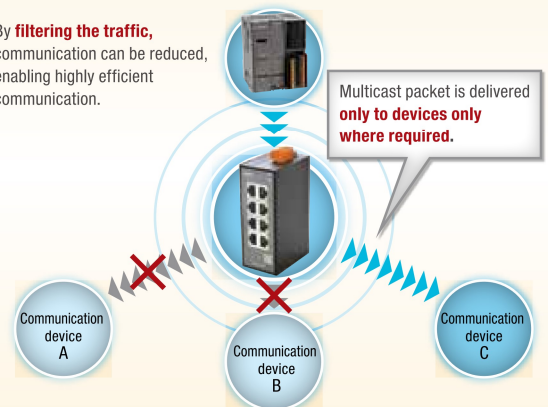
Allows the Ethernet switch to **automatically determine** and prioritize EtherNet/IP packets. Communication speed is maintained.



*) QoS function can be turned on/off using a dip switch.

IGMP Snooping Function

By **filtering the traffic**, communication can be reduced, enabling highly efficient communication.



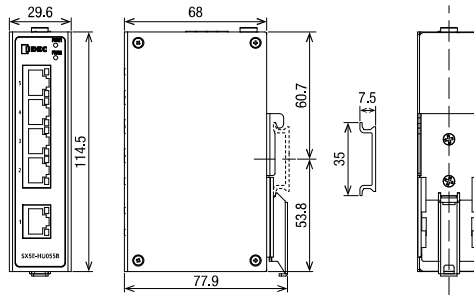
Ratings/Specifications

Part No.	SX5E-HU055B	SX5E-HU085B
Rated Input Voltage	12/24/48V DC, 24V AC	24V DC, 24V AC
Voltage Tolerance	9-60V DC, 18-30V AC	12-48V DC, 18-30V AC
Power Consumption	3.4W	4.1W
Ethernet Standard	IEEE802.3u (100BASE-TX)/IEEE802.3i (10BASE-T) compliant	
Data Transfer Speed	10Mbps/100Mbps (Auto-negotiation function)	
Communication Method	All ports full/half duplex (Auto-negotiation function)	
Number of Ports	5	8
Frame Transfer Method	Store and forward	
Throughput	0.75Mpps	1.2Mpps
Address Table	2048 entries	
Buffer Size	1Mbits	4Mbits
EMI/EMS	FCC CFR47 Part 15, EN55022, CISPR22, Class A Electrostatic discharge: ±6kV (contact), ±8kV (air) (IEC61000-4-2) Radiation electromagnetic field: 10V/m (80MHz-2GHz), 3V/m (2GHz-2.7GHz) (IEC61000-4-3) FTB: ±2kV (Power Port), ±1kV (Data Port) (IEC61000-4-4) Lighting surge: ±1kV/DM, ±2kV/CM (Power Port), ±1kV (Data Port) (IEC61000-4-5) RF conducted immunity: 10V (150kHz-80MHz) (IEC61000-4-6)	
Vibration Resistance	5Hz to 9Hz: 3.5mm, 9Hz to 150Hz: 2.0G (IEC60068-2-6)	
Shock Resistance	150m/s ² 11ms (IEC60068-2-27)	
Operating Temperature	-40 to +75°C (no freezing)	
Operating Humidity	5 to 95% RH (no condensation)	
Storage Temperature	-40 to +85°C (no freezing)	
Mounting	DIN rail/panel mounting (*1)	
Degree of Protection	IP30	
Weight (approx.)	200g	250g

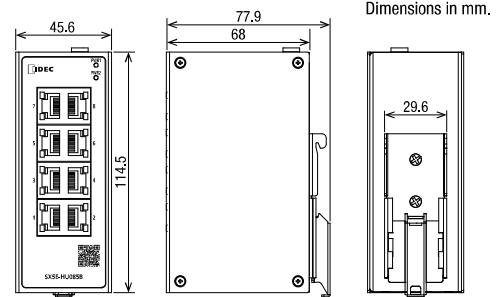
*1) An optional accessory is required for panel mounting.

Dimensions







SX5E-HU055B



SX5E-HU085B



IDEC recommends the use of SX5E Ethernet Switches with the below products.

PLCs/Controllers	
FC6A Plus/All-in-One 	FT1A Touch Pro Lite 
IoT of production sites are made simple and easy with high performance features; remote monitoring with web server functions, automatic E-mail notification of periodic and event reports, and user-friendly debug function to reduce design process.	Advanced 3.8-inch LCD display with integrated control function with space- and wire-saving features for easy operation.
Operator Interfaces	
HG Series 	2D Code Scanner WB2F 
IDEC HMI delivers a technologically-advanced display with industry-leading brightness, lifespan and functionality. With sizing from 4.3" to 15", IDEC displays provide a durable, intuitive and user-friendly control and monitoring experience.	Equipped with a high-resolution sensor to read small symbols from 150mm max. Ethernet communication is possible with the optional communication unit.
Smart RFID Reader	
KW2D 	
Compact RFID reader mounts on ø22mm panel cut-out. Water- and oil-proof and equipped with a verification function. Ideal for user authority management at factory sites.	

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 India IDEC Controls India Private Ltd.

China IDEC (Shanghai) Corporation
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EF1139-2



SX5E

Ethernet Switch

Package Quantity: 1

Model	Part No. (Ordering No.)
5 port Ethernet Switch	SX5E-HU055B
8 port Ethernet Switch	SX5E-HU085B

Accessories (optional)

When ordering, specify the Ordering No.

Accessories	Part No.	Ordering No.	Package Quantity
RJ45 connector cover (IP30)	SX9Z-CAP2	SX9Z-CAP2PN02	2
Direct mounting bracket	SX9Z-1A01	SX9Z-1A01	1
Power supply terminal block	SX9Z-PMTD04	SX9Z-PMTD04PN02	2