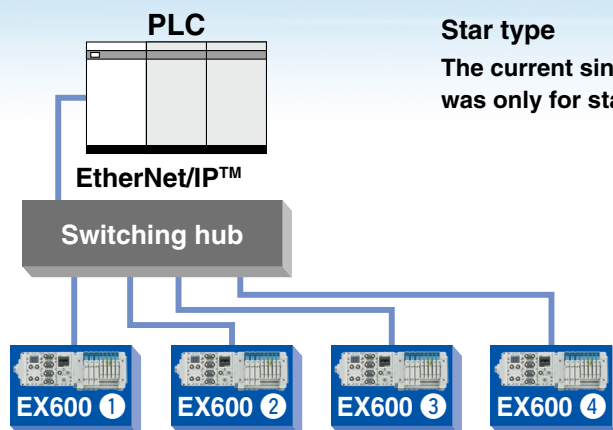


Latest EtherNet/IP™ Technology

The following functions are available for the dual port EtherNet/IP™ product (EX600-SEN3/4).

Added Compatible Topologies (connection configuration).

EX600-SEN1/2

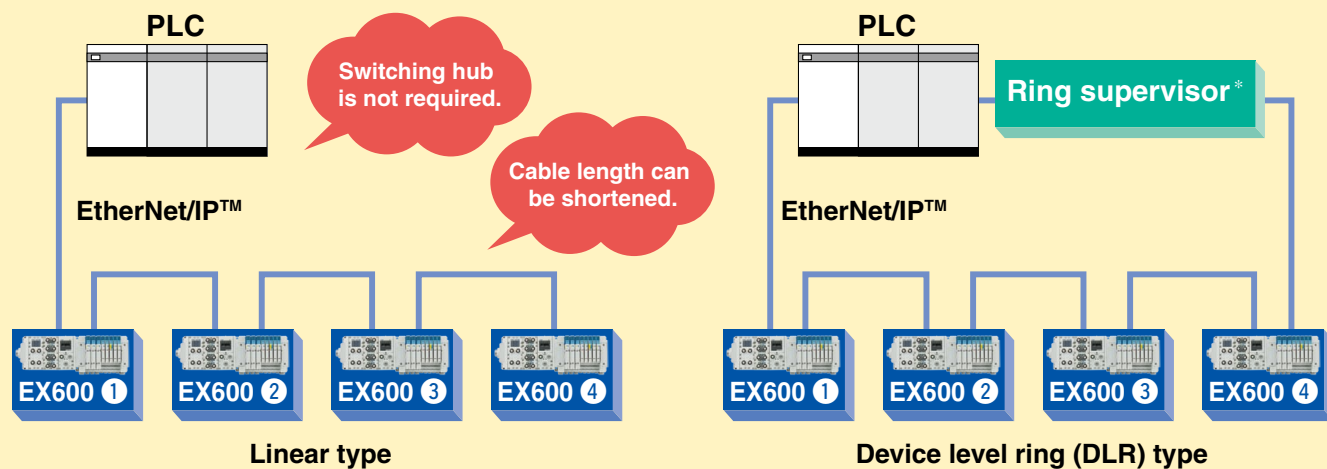


Star type

The current single port product (EX600-SEN1/2) was only for star topology.

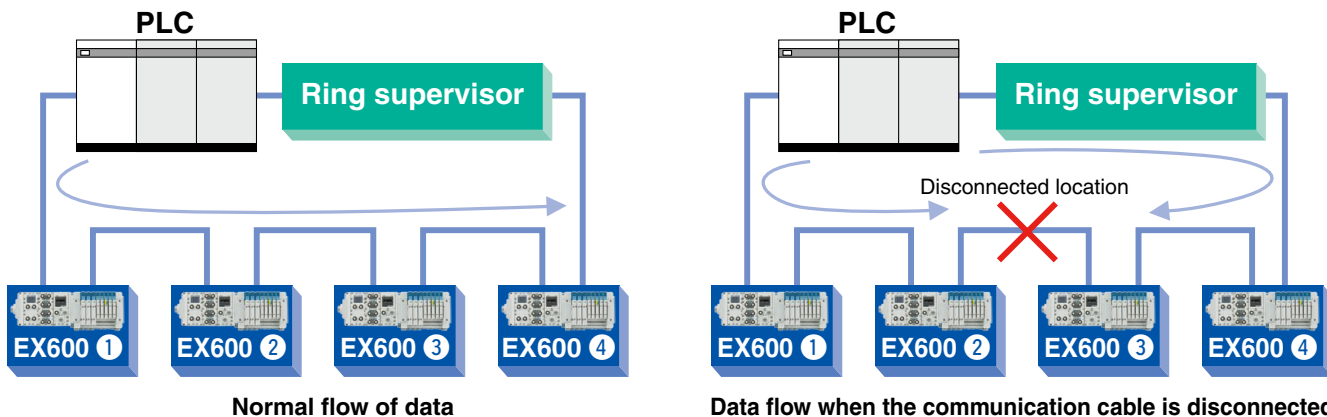
EX600-SEN3/4

The new **dual port product (EX600-SEN3/4)** is available for both the **linear and device level ring topologies**, in addition to the **star type**.



* One or more ring supervisors are required.

In the device level ring type, even though the communication cable is disconnected in one location, EtherNet/IP™ communication can be continued, and the disconnected portion can be specified by the ring supervisor.



QuickConnect™ Function Available

From Power ON to communication connection

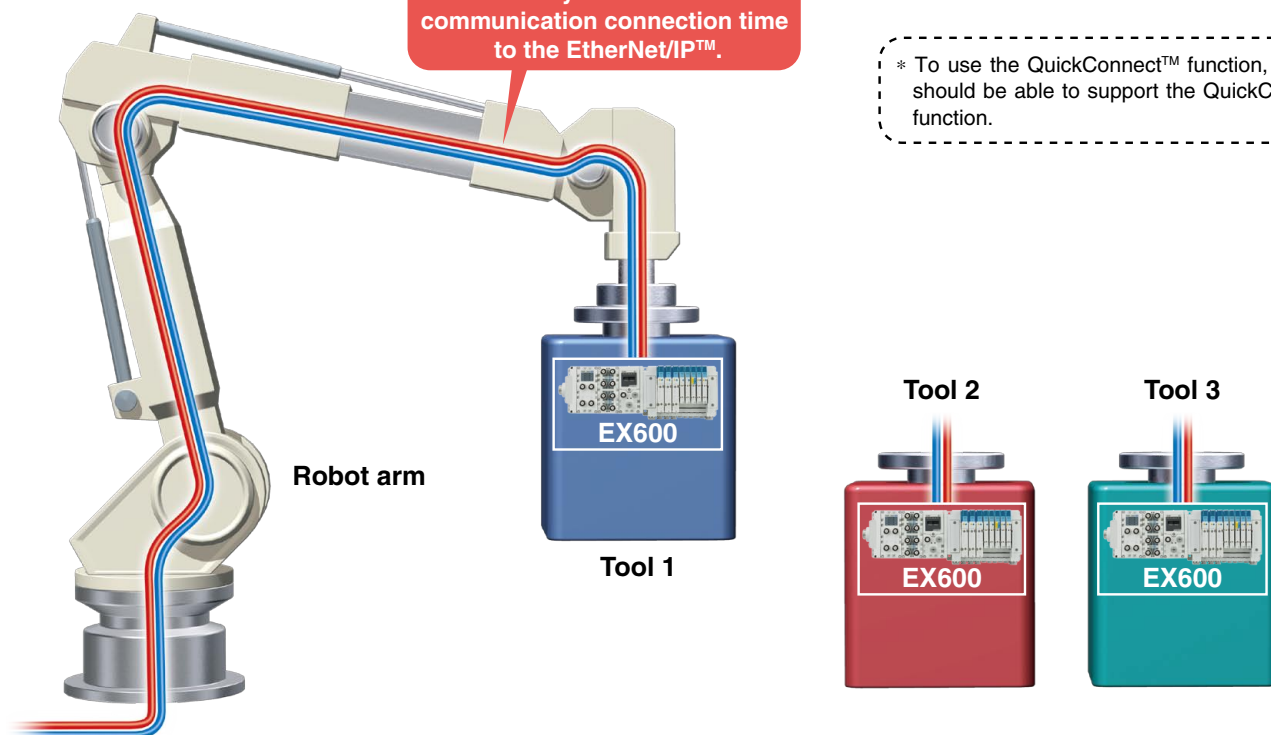
10 sec.

Approx.
0.5 sec.

In the case of a tool changer, it takes about 10 seconds for the communication to be connected in common EtherNet/IP™ products, after the power of the device installed on the tool is turned ON. Since the QuickConnect™ function* is available in the EX600-SEN3/4, the communication can be connected in about 0.5 seconds.

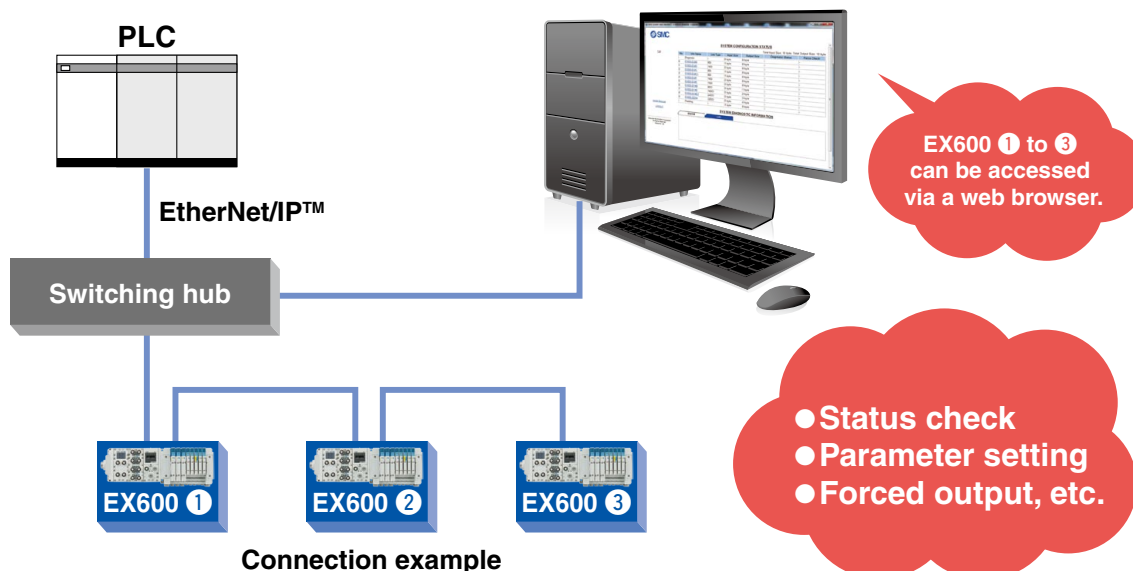
Greatly reduces the communication connection time to the EtherNet/IP™.

* To use the QuickConnect™ function, the PLC should be able to support the QuickConnect™ function.



Built-in Web Server Function

The EX600-SEN3/4 has a built-in web server function, which enables status checks, parameter settings and forced output of the EX600 using general-purpose web browsers, such as Internet Explorer. Start-up of the system and maintenance can be performed efficiently.



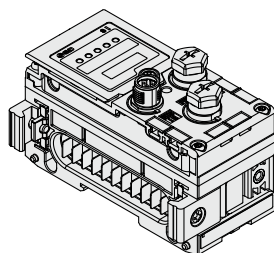
SI Unit Specifications

All Units Common Specifications

Environmental resistance	Operating temperature range	-10 to 50°C
	Storage temperature range	-20 to 60°C
	Operating humidity range	35 to 85% RH (No dew condensation)
	Withstand voltage ^{Note)}	500 VAC for 1 minute between external terminals and FE
	Insulation resistance ^{Note)}	500 VDC, 10 MΩ or more between external terminals and FE

Note) Except Handheld Terminals

SI Unit (EX600-SPR□A)

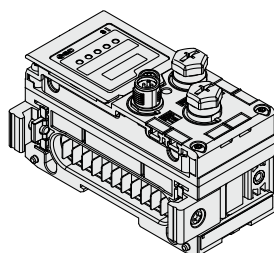


EX600-SPR□A

Model		EX600-SPR1A	EX600-SPR2A
Communication	Protocol	PROFIBUS DP (DP-V0)	
	Device type	PROFIBUS DP Slave	
	Communication speed	9.6/19.2/45.45/93.75/187.5/500 kbps 1.5/3/6/12 Mbps	
	Configuration file	GSD file ^{Note)}	
	Occupation area (Number of inputs/outputs)	Max. (512 inputs/512 outputs)	
Output	Terminating resistor	Internally implemented	
	Internal current consumption (Power supply for Control/Input)	80 mA or less	
	Output type	Source/PNP (Negative common)	Sink/NPN (Positive common)
	Number of outputs	32 outputs (8/16/24/32 outputs selectable)	
	Load	Solenoid valve with surge voltage suppressor 24 VDC, 1.5 W or less (SMC)	
Enclosure	Power supply	24 VDC, 2 A	
	Fail safe	HOLD/CLEAR/Forced power ON	
	Protection	Short-circuit protection	
	Standards	CE Marking, UL (CSA), RoHS compliant	
	Weight	300 g	

Note) The setting file can be downloaded from the SMC website, <http://www.smcworld.com>

SI Unit (EX600-SDN□A)

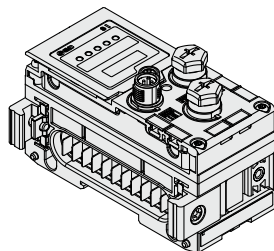


EX600-SDN□A

Model		EX600-SDN1A	EX600-SDN2A
Communication	Protocol	DeviceNet™: Volume 1 (Edition 2.1), Volume 3 (Edition 1.1)	
	Device type	Group 2 Only Server	
	Communication speed	125/250/500 kbps	
	Configuration file	EDS file ^{Note)}	
	Occupation area (Number of inputs/outputs)	Max. (512 inputs/512 outputs)	
Output	Applicable messages	Duplicate MAC ID Check Message Group 2 Only Unconnected Explicit Message Explicit Message (Group 2) Poll I/O Message (Predefined M/S Connection set)	
	DeviceNet™ power supply	11 to 25 VDC (Current consumption 50 mA or less)	
	Internal current consumption (Power supply for Control/Input)	55 mA or less	
	Output type	Source/PNP (Negative common)	Sink/NPN (Positive common)
	Number of outputs	32 outputs (8/16/24/32 outputs selectable)	
Enclosure	Load	Solenoid valve with surge voltage suppressor 24 VDC, 1.5 W or less (SMC)	
	Power supply	24 VDC, 2 A	
	Fail safe	HOLD/CLEAR/Forced power ON	
	Protection	Short-circuit protection	
	Standards	CE Marking, UL (CSA), RoHS compliant	
Weight	Weight	300 g	

Note) The setting file can be downloaded from the SMC website, <http://www.smcworld.com>

SI Unit (EX600-SMJ□)



EX600-SMJ□

Model		EX600-SMJ1	EX600-SMJ2
Communication	Protocol	CC-Link (Ver. 1.10, Ver. 2.00)	
	Station type	Remote Device Station	
	Communication speed	156/625 kbps 2.5/5/10 Mbps	
	Occupation area (Number of inputs/outputs)	Max. (512 inputs/512 outputs) 1/2/3/4 stations occupied	
	Internal current consumption (Power supply for Control/Input)	75 mA or less	
Output	Output type	Source/PNP (Negative common)	Sink/NPN (Positive common)
	Number of outputs	32 outputs (8/16/24/32 outputs selectable)	
	Load	Solenoid valve with surge voltage suppressor 24 VDC, 1.5 W or less (SMC)	
	Power supply	24 VDC, 2 A	
	Fail safe	HOLD/CLEAR/Forced power ON	
Enclosure	Protection	Short-circuit protection	
	Standards	CE Marking, UL (CSA), RoHS compliant	
	Weight	300 g	