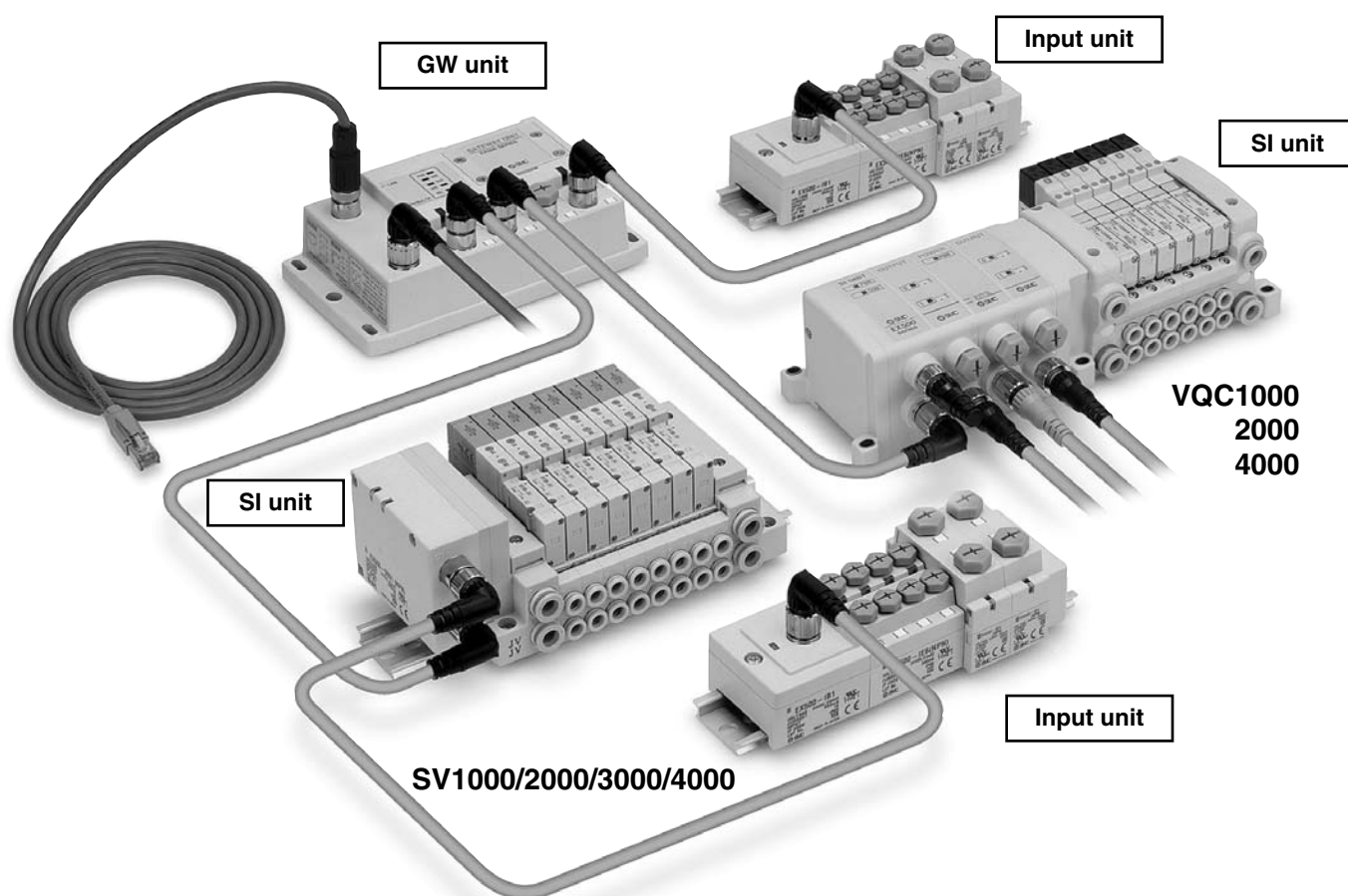


# Decentralized Serial Wiring (GW System, 4 Branches) *Series EX500*



- ★ Valve manifold and input unit manifold can be connected around the GW unit.
- ★ Compatible with various protocols by replacing the GW unit.
- ★ Compatible with 64-digital-outputs (16 points x 4 branches) and 64-digital-inputs (16 points x 4 branches).
- ★ GW unit, Input unit manifold: IP65
- ★ Valve manifold including SI unit: IP67



## How to Order GW Unit

GW Unit

**EX500—G DN1**

### • Communication protocol

DN1	DeviceNet
PR1A	PROFIBUS DP
MJ1	CC-Link
EN1	EtherNet/IP



**GW Unit Specifications**

Model			EX500-GDN1	EX500-GPR1A	EX500-GMJ1	EX500-GEN1
Communication specification	Applicable system	Protocol	DeviceNet	PROFIBUS DP	CC-Link	EtherNet/IP
		Version <sup>Note 1)</sup>	Release 2.0	DP-V0	Ver. 1.10	Release 1.0
	Communication speed		125k/250k/500kbps	9.6 k/19.2 k/45.45 k/ 93.75 k/187.5 k/500 k/ 1.5 M/3 M/6 M/12 Mbps	156 k/625 k/ 2.5 M/5 M/10 Mbps	10 M/100 Mbps
	Specified file <sup>Note 2)</sup>		EDS file	GSD file	—	EDS file
	Occupied area (Number of inputs/outputs)		64/64	64/64	96/96 (3 stations, remote device station)	128/128
	Terminal resistor		Not applicable	Built in the unit (Switch setting)	Not applicable	
Power supply	For unit		11 to 25 VDC (Supplied by DeviceNet circuit, 50 mA or less)	24 VDC±20%		
	For sensors		24 VDC±20%			
	For valve		24 VDC±10%/–5%			
Internal current consumption (Unit)			200 mA or less (GW unit)			
Input specification	Number of inputs		64 points (16 points x 4 branches)			
	Connection input device		The EX500 series input unit manifold (connection from communication port A to D)			
	Supply voltage		24 VDC			
	Supply current		Max. 2.8 A (Max. 0.7 A per branch)			
Output specification	Number of outputs		64 points (16 points x 4 branches)			
	Connection output device		The EX500 series SI unit manifold (connection from communication port A to D)			
	Supply voltage		24 VDC			
	Supply current		Max. 3.0 A (Max. 0.75 A per branch)			
Branch cable length			5 m or less between connected devices (total extension 10 m or less)			
Environmental resistance	Enclosure		IP65			
	Operating temperature range		Operating: 5 to 45°C    Stored: –25 to 70°C (with no freezing and condensation)			
	Operating humidity range		Operating, Stored: 35 to 85%RH (with no condensation)			
	Withstand voltage		1000 VAC for 1 min. between whole charging part and case			
	Insulation resistance		2 MΩ or more (500 VDC Mega) between whole charging part and case			
	Vibration resistance		10 to 150 Hz with a 0.7 mm amplitude or 50 m/s <sup>2</sup> in each X, Y, Z direction for 2 hrs (De-energized)			
	Impact resistance		150 m/s <sup>2</sup> in each X, Y, Z direction, 3 times (De-energized)			
Standard			CE marking, UL (CSA)			
Mass			470 g			
Accessory: Waterproof cap (for M12 connector socket)			EX500-AWTS (4 pcs.)	EX500-AWTS (5 pcs.)	EX500-AWTS (4 pcs.)	EX500-AWTS (5 pcs.)

Note 1) Please note that the version is subject to change.

Note 2) Each file can be downloaded from SMC's website (<http://www.smcworld.com/>).

Note 3) For detailed specifications other than the above, refer to the separate technical operation manual can be downloaded from SMC's website (<http://www.smcworld.com/>).

**EX**