

Simple Communication link to Various PLC and Personal Computers!

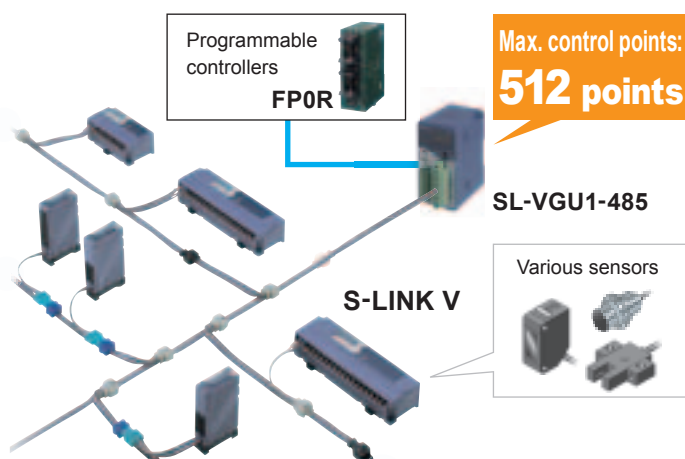


RoHS-compliant

Two versions of serial communications are supported. Bit information of various sensors and switches is sent directly to the PLC.

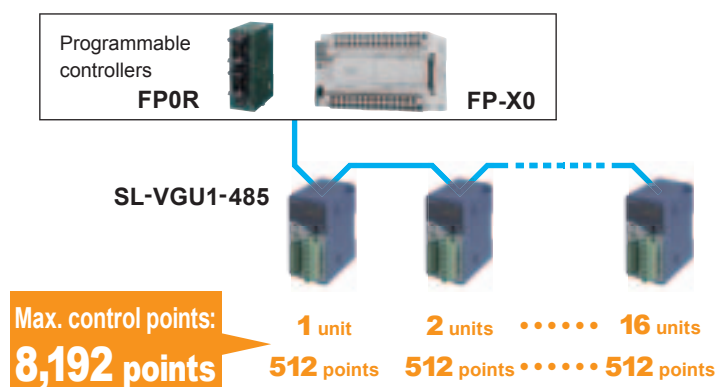
RS-232C Communications

Communication protocols: for MEWTOCOL-COM/Modbus RTU

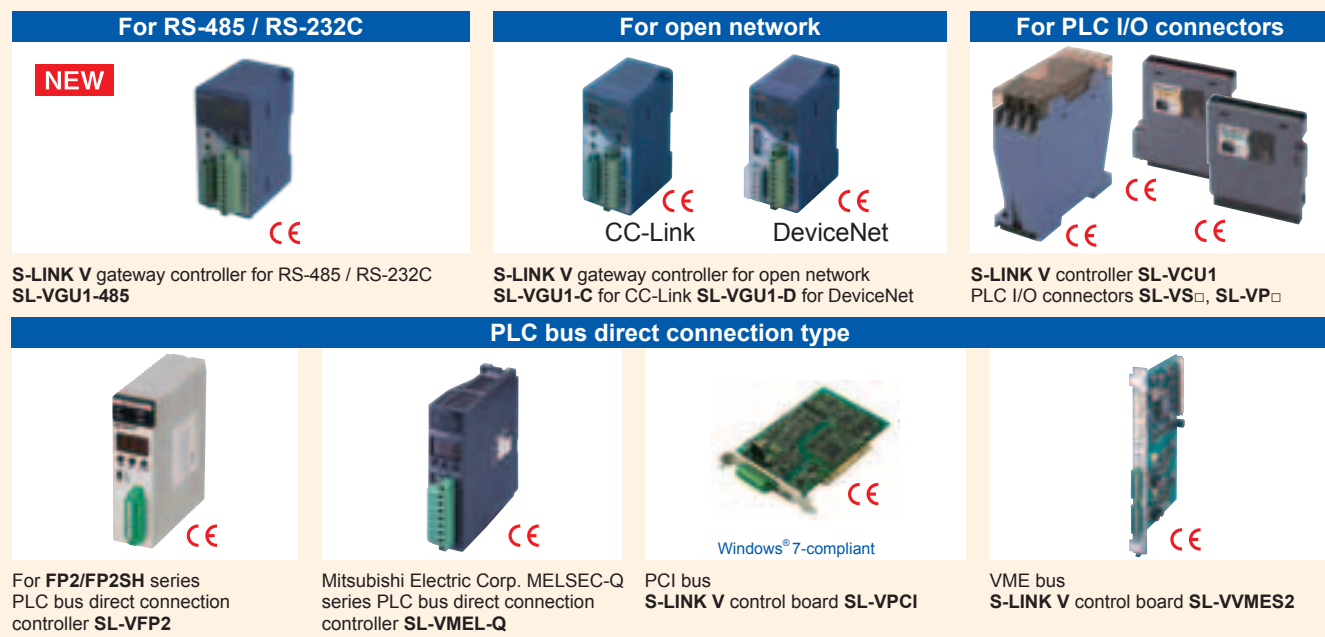


RS-485 Communications

Communication protocols: for MEWTOCOL-COM/Modbus RTU



The flexible wire-saving system **S-LINK V** can be connected to various foreign or domestic PLC. Also available are a computer control board and a bus direct connection controller and controllers supporting open network and serial communications. Any upper-level network connection is possible without specifying it.



DIMENSIONS (Unit: mm in)

Model No.		SL-VGU1-485	
Supply voltage		24 V DC ^{+10%} %	
Current consumption		300 mA or less (excluding error output load and power supply for driving I/O units) (Note 1) Maximum supply current: 7A (Note 2)	
S-LINK V side	Transmission speed		A mode: 110 kbps, B mode: 27.5 kbps, C mode: 6.9 kbps
	Refresh time A mode: 0.29 to 10.32 ms, B mode: 1.18 to 41.29 ms, C mode: 4.70 to 165.15 ms		
	Connection method T-branch or multi-drop		
	Transmission distance A mode: 50 m 164 ft max., B mode: 200 m 656 ft max., C mode: 800 m 2,625 ft max.		
	Total wiring length A mode: 100 m 328 ft or less, B mode: 400 m 1,312 ft or less, C mode: 1,600 m 5,249 ft or less		
	Transmission cable Exclusive 4-core flat cable (0.5 mm ²) or conductor cross-section area 0.3 to 2.0 mm ² 4-core VCTF cable (without shield)		
	I/O control points Max. 512 points (I/O settle in increments of 32 points)		
	Connected node No. Max. 256 nodes		
	Error output NPN open-collector transistor <ul style="list-style-type: none">• Maximum sink current: 100 mA (without short-circuit protection)• Applied voltage: 30 V DC (between output and 0 V)• Residual voltage: 1.5 V or less (at 100 mA sink current)		
	Indicators	Green LED (Blinks: during transmission)	
Transmission		Error output	
Red LED (Lights up: error occurrence, Blinks: cause rectified after error occurrence, Turns off: normal)			
Hexadecimal			
Address		Orange LED (Lights up: Hexadecimal address display mode)	
Address		Three-digit red LED (Connected node number, recognized addresses, or error addresses, etc. are displayed)	
RS-485 / RS-232C communication side	Interface		RS-485 RS-232C
	Transmission speed		9,600, 19,200, 38,400, 57,600, 115,200, 230,400 bps
	Transmission form		1: N communication 1: 1 communication
	Connecting station No.		Max. 16 stations 1 station
	Transmission type / Synchronizing method		Half duplex / Asynchronous communication method Full duplex / Asynchronous communication method
	Transmission distance		Transmission speed except 230,400 bps: Max. 1,200 m 3,937 ft Transmission speed at 230,400 bps: Max. 700 m 2,297 ft Max. 15 m 49 ft
	Transmission code		MEWTOCOL-COM: ASCII, Modbus-RTU: Binary
	Transmission format		Data length: 8 bits (Fixed), Parity: Odd/Even/None, Stop bit: 1 bit/2 bits
Ambient temperature		0 to +55 °C +32 to +131 °F (No dew condensation), Storage: -20 to +70 °C -4 to +158 °F	
Earthing		FG terminal: C coupling, Enclosure: Floating	
Material		Enclosure: ABS	
Weight		140 g approx.	

Notes: 1) The current consumption value shown here is the total of the maximum current (D-G line only) supplied to the **S-LINK V** I/O units and the current consumption of the **S-LINK V** gateway controller.
2) This product is not equipped with any short-circuit protective function. For this reason, select a power supply unit having short-circuit protective function (fuse, etc.).

