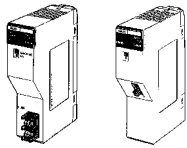
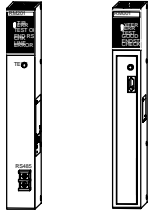
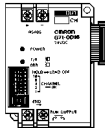
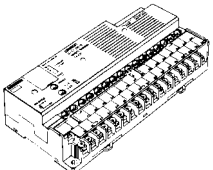


## SYSMAC BUS Network Components Overview

### Summary of All Parts to Build a SYSMAC BUS Communications System

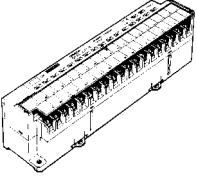
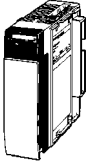
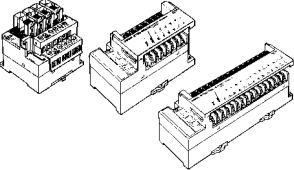
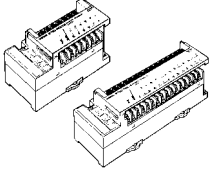
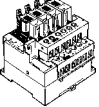
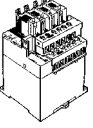
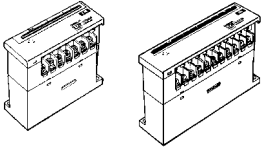
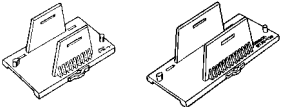
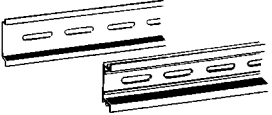


- Transmit status of up to 512 I/O over a maximum distance of 200 m
- Wide variety of I/O slaves
- SYSMAC BUS allows communications with all Omron PLCs
- Easy to configure, the network connects slave units by twisted pair cables in daisy-chain fashion
- Transmission speed is 2 ms per node (each slave unit is counted as a node)

### Ordering Information

Product	Appearance	Specifications	Part number	Standards
Remote Master Modules for CS1 and C200H PLCs		Wired remote I/O Fiber-optic remote I/O, plastic core	<b>C200H-RM201</b> <b>C200H-RM001-PV1</b>	UL CSA CE (See Note.)
Remote Master Modules for CV/CVM1 PLCs		Wired remote I/O Fiber-optic remote I/O, plastic core Fiber-optic remote I/O, glass core	<b>C500-RM201</b> <b>3G2A5-RM001-PEV1</b> <b>3G2A5-RM001-EV1</b>	
Transmission Media for SYSMAC BUS system	---	Shielded twisted pair cable APF (all plastic) fiber-optic cable Connectors for APF 0-10 m long Connectors for APF 8-20 m long HPCF (plastic clad) cable, 50 m HPCF cable, 100 m HPCF cable, 500 m HPCF cable, 1 km Zipcord HPCF cable, 50 m Connectors for SYSMAC BUS Termination kit for HPCF cable AGF (quartz core) fiber-optic cable	Belden #9271 or similar <b>B500-PF212</b> <b>3G2A5-CO001</b> <b>3G2A5-CO002</b> <b>FCS-HCR-LB-501</b> <b>FCS-HCR-LB-102</b> <b>FCS-HCR-LB-502</b> <b>FCS-HCR-LB-103</b> <b>FCS-HCR-CO-501</b> <b>S3200-COCH82</b> <b>FCS-CAK6230-US</b> Commercially available	---
Remote Interface Module connects 16-point G70A and G7TC I/O Relay Blocks to SYSMAC BUS		Input for G7TC-IA16, G7TC-ID16 Input for G70A-ZIM16-5 Output for G7TC-OC08, G7TC-OC16, G70A-ZOC16-3	<b>G71-IC16 DC24V</b> <b>G71-IC16-3 DC24V</b> <b>G71-OD16 DC24V</b>	UL CSA CE (See Note.)
Transistor Remote Module, 16-point blocks		Input block, NPN Input block, PNP Output block, NPN Output block, PNP	<b>G72C-ID16 DC24V</b> <b>G72C-ID16-1 DC24V</b> <b>G72C-OD16 DC24V</b> <b>G72C-OD16-1 DC24V</b>	UL CSA CE (See Note.)

**Note:** Information on EC Directives

Individual OMRON products that comply with EC Directives conform to the common emission standards of EMC Directives. However, the emission characteristics of these products installed on customers' equipment may vary depending on the configuration, wiring, layout, and other conditions of the control panel used. For this reason, customers are requested to check whether the emission characteristics of the entire machine or equipment comply with the EMC Directives.

Product	Appearance	Specifications	Part number	Standards
Remote Vertical Module, slim profile, 16-point blocks		Input block Output block	<b>G72C-VID16 DC24V</b> <b>G72C-VOD16 DC24V</b>	UL CSA CE (See Note.)
G730 Remote Master and Expansion Masters for CQM1 controllers		Remote master, 32 or 16 inputs or outputs, selectable Expansion master, 32 or 16 inputs, selectable Expansion master, 32 or 16 outputs, selectable	<b>CQM1-G7M21</b> <b>CQM1-G7N11</b> <b>CQM1-G7N01</b>	UL CSA
Remote Relay Modules		Input block, 4 points 12 VDC Input block, 4 points, 24 VDC Input block, 4 points 100/110 VAC Input block, 4 points, 200/220 VAC Output block, 4 points, 24 VDC Output block, 8 points, 24 VDC Output block, 16 points, 24 VDC	<b>G730-RID04 DC12</b> <b>G730-RID04 DC24</b> <b>G730-RIA04 AC110</b> <b>G730-RIA04 AC220</b> <b>G730-ROC04 DC24</b> <b>G730-ROC08 DC24</b> <b>G730-ROC16 DC24</b>	UL CSA
Remote MOSFET Relay Modules		Output block, 8 points, 24 VDC Output block, 16 points, 24 VDC	<b>G730-AOM08 DC24</b> <b>G730-AOM16 DC24</b>	UL CSA
Remote Relay I/O Block Base accepts G2R electromechanical relay, G3R SSR or G3RZ power MOSFET relays		Input base, 4 points, 5-24 VDC Input base, 4 points, 100-240 VAC Output base, 4 points, 24 VDC	<b>G730-ZID04 DC5-24</b> <b>G730-ZIA04 AC100-240</b> <b>G730-ZOM04 DC24</b>	UL CSA
Remote Relay Output Module with Fault Detection for contact weld and open load lines		Output block, 4 points, 24 VDC Output base, 4 points, 24 VDC for G2R relay, G3R SSR or G3RZ MOSFET relay	<b>G730-ROC04-A DC24</b> <b>G730-ZOM04-A DC24</b>	UL CSA
Remote Transistor Module in ultra-compact housing		4 transistor input (NPN) 8 transistor inputs (NPN) 8 transistor inputs (PNP) 16 transistor inputs (NPN) 4 transistor outputs (NPN) 8 transistor outputs (NPN) 8 transistor outputs (PNP) 16 transistor outputs (NPN)	<b>G730-VID04</b> <b>G730-VID08</b> <b>G730-VID08-1</b> <b>G730-VID16</b> <b>G730-VOD04</b> <b>G730-VOD08</b> <b>G730-VOD08-1</b> <b>G730-VOD16</b>	UL CSA
Track mounting adapters for G730-V modules		For G730-V 4-point modules For G730-V 8- and 16-point modules	<b>G730-Y31</b> <b>G730-Y30</b>	---
DIN rail mounting track		0.5 m length, 7.3 mm depth 1 m length, 7.3 mm depth 1 m length, 16 mm depth	<b>PFP-50N</b> <b>PFP-100N</b> <b>PFP-100N2</b>	---
DIN track spacer		---	<b>PFP-S</b>	---
DIN track end cap		---	<b>PFP-M</b>	---

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**NOTE: DIMENSIONS SHOWN ARE IN MILLIMETERS. To convert millimeters to inches divide by 25.4.**

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