

Input Modules

Inputs	Input Points	Input Voltage	Configuration	Model
DC	8	12 to 24 VDC	Independent contacts	CQM1-ID211
	16	12 VDC	16 points/ common	CQM1-ID111
		24 VDC		CQM1-ID212
	32	12 VDC	32 points/ common	CQM1-ID112
		24 VDC		CQM1-ID213
AC	8	100 to 240 VAC	8 points/ common	CQM1-IA121
		200 to 240 VAC		CQM1-IA221



Output Modules

Outputs	Output Points	Max. Switching Voltage	Configuration	Model
Contact	8	250 VAC/ 24 VDC	Independent contacts	CQM1-OC221
	16		16 pts/ common	CQM1-OC222
	8		Independent	CQM1-OC224
Transistor	8	24 VDC 24 VDC PNP	8pts/common	CQM1-OD211
	16		16pts/common	CQM1-OD212
	32		32pts/common	CQM1-OD213
	16		16pts/common	CQM1-OD214
	8		8pts/common	CQM1-OD215
AC	8	100 to 240 VAC	4pts/common 2 circuits	CQM1-OA221
	6		4pts/common 2pts/common	CQM1-OA222



Special I/O Modules

CQM1-SRM21 (CompoBus/S) Master Module

Module acts as the Master of a high-speed ON/OFF remote I/O unit, controlling a maximum of 128 I/O points.



CQM1-DA021 Analog Output Module

This module allows two-point digital-to-analog conversion. Requires CQM1-IPS01/02 power supply unit.



CQM1-TCO0□/10□ Temperature Control Module

Module provides two temperature control loops and is ideal for simple ON and OFF temperature control.



CQM1-DRT21 DeviceNet Slave

DeviceNet Slave constructs an I/O link of 32 I/O points with the DeviceNet Master.



CQM1-IPS01/02 Power Supply Module

Required power supply for analog input and output modules.



CQM1-LSE0□ Linear Sensor Interface Module

The module converts voltage or current inputs from linear sensors to numeric data for comparative decision processing.



CQM1-AD041 Analog Input Module

Use this module to input 4 analog voltage or current signals into the CQM1. Requires CQM1-IPS01/02 power supply module.



CQM1-B7A□□ B7A Interface Module

Allows direct link to Omron's B7A Remote I/O series via twisted-pair wire.

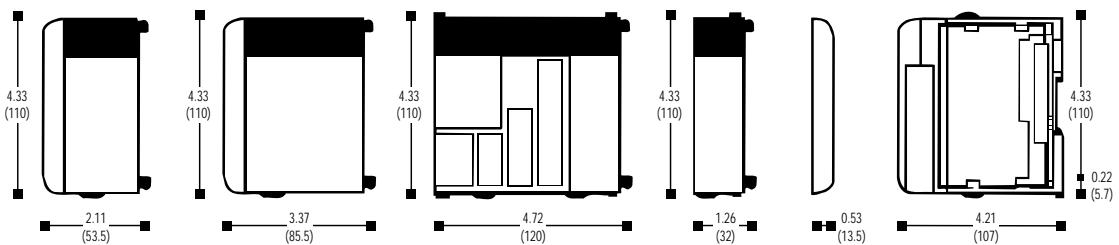


CQM1-SEN01 Sensor Module

Space saving module reduces wiring and allows direct connection of selected sensors to the CQM1.



Dimensions: Inches (Millimeters)



General Specifications (Power Supply Unit)

ITEM	CQM1-PA203	CQM1-PA206	CQM1-PD026
Supply Voltage	100 to 240 VAC at 50/60 Hz	100 to 240 VAC at 50/60 Hz	24 VDC
Operating Voltage Range	85 to 264 VAC	85 to 264 VAC	20 to 28 VDC
Power Consumption	60 VA max.	120 VA max.	50 W max.
Output Capacity	5 VDC @ 3.6 A (18 W)	5 VDC @ 6 A (30 W)	5 VDC @ 6 A (30 W)
24 VDC (Service power supply)	---	24 VDC @ 0.5 A	---
Ambient Operating Temperature	0° to 55° C	0° to 55° C	0° to 55° C
Ambient Operating Humidity	10% to 90%	10% to 90%	10% to 90%

Ordering Information

PRODUCT NAME	MAIN SPECIFICATION					MODEL	
POWER SUPPLY	100 to 240 VAC at 50/60 Hz 100 to 240 VAC at 50/60 Hz, with service power supply: 0.5 A at 24 VDC 24 VDC					CQM1-PA203 CQM1-PA206 CQM1-PD026	
CPU	User memory	Data memory	RS-232C	BUILT-IN FEATURES:			
				Analog Timer	Pulse I/O	ABS I/F	
	3.2K words	1K words	—	—	—	—	CQM1-CPU11-EVI
	7.2K words	6K words	•	—	—	—	CQM1-CPU21-EVI
			•	•	—	—	CQM1-CPU41-EVI
			•	—	•	—	CQM1-CPU43-EVI
			•	—	—	•	CQM1-CPU44-EVI
			•	—	—	•	CQM1-CPU45-EVI
INPUT MODULES							
DC Input	8 points, 12 to 24 VDC					CQM1-ID211	
	16 points, 24 VDC					CQM1-ID212	
	32 points, 24 VDC					CQM1-ID213	
AC Input	8 points, 100 to 120 VAC					CQM1-IA121	
	8 points, 200 to 240 VAC					CQM1-IA221	
OUTPUT MODULES							
Relay Outputs	8 points, 2 A at 24 VDC or 250 VAC (16 A per Unit) independent commons					CQM1-OC221	
	16 points, 2 A at 24 VDC or 250 VAC (8 A per Unit)						
Transistor Outputs	8 points, 2 A at 24 VDC (5 A per Unit)					CQM1-OD211	
	16 points, 50 mA at 4.5 VDC to 300 mA at 26.4 VDC					CQM1-OD212	
	32 points, 100 mA at 24 VDC					CQM1-OD213	
	16 points, 50 mA at 4.5 VDC to 300 mA at 26.4 VDC, PNP outputs					CQM1-OD214	
	8 points, 1.0 A at 24 VDC (4 A per Unit), PNP outputs with short-circuit protection, alarm output					CQM1-OD215	
Triac Outputs	8 points, 0.4 A at 100 to 240 VAC					CQM1-OA221	
	6 points, 0.4 A at 100 to 240 VAC					CQM1-OA222	
SPECIAL I/O MODULES							
Analog Input	Analog inputs: 4 points 4 to 20 mA/10 to 10 V/1 to 5 V/0 to 10 V					CQM1-AD041	
Analog Output	Analog outputs: 2 points, 0 to 20 mA/10 to 10 V					CQM1-DA021	
Power Supply Module	The analog input and output modules require a power supply, available in two modules. Note: Two CQM1-DA021 cannot be used with CQM1-IPS02.			For one module	For two modules	CQM1-IPS01 CQM1-IPS02	
Temperature Control Module*	Two temperature controllers in a single-slot module					CQM1-TC000	
Sensor Module*	Up to four amplifier units mount directly to a single slot					CQM1-SEN01	
CompoBus Module	CompoBus/S master module DeviceNet I/O link terminal					CQM1-SRM1 CQM1-DRT21	
B7A Interface Module	16 inputs and 16 outputs					CQM1-B7A01	
	16 outputs					CQM1-B7A02	
	32 outputs					CQM1-B7A03	
I/O Link Module	Used as a Slave Unit in a Sysmac BUS Wired Remote I/O System. 2 input words (32 bits), 2 output words (32 bits).					CQM1-LK501	
MEMORY CASSETTE (OPTIONAL)							
EEPROM, 4K words						CQM1-ME04K	
EEPROM, 4K words, with real-time clock built-in						CQM1-ME04R	
EEPROM, 8K words						CQM1-ME08K	
EEPROM, 8K words, with real-time clock built-in						CQM1-ME08R	
EPROM, IC socket only						CQM1-MP08K	
EPROM, IC socket only, with real-time clock built-in						CQM1-MP08R	
PROGRAMMING CONSOLE							
Provided with a 1.5 m connection cable (compatible with C-series PLCs)						CQM1-PRO01-E or C200H-PRO27-E	
PROGRAMMING SOFTWARE							
SYS-WIN (Windows based)						SYSWIN-HL-V3.2A	
Connecting Cable (Peripheral Port to Computer)						CQM1-C1F02	
Connecting Cables (RS232 to Computer 9 pin), (RS232 to Computer 25 pin)						C200HS-CN220-EU C200HS-CN229-EU	

* For more details, please contact Omron and refer to catalog number.