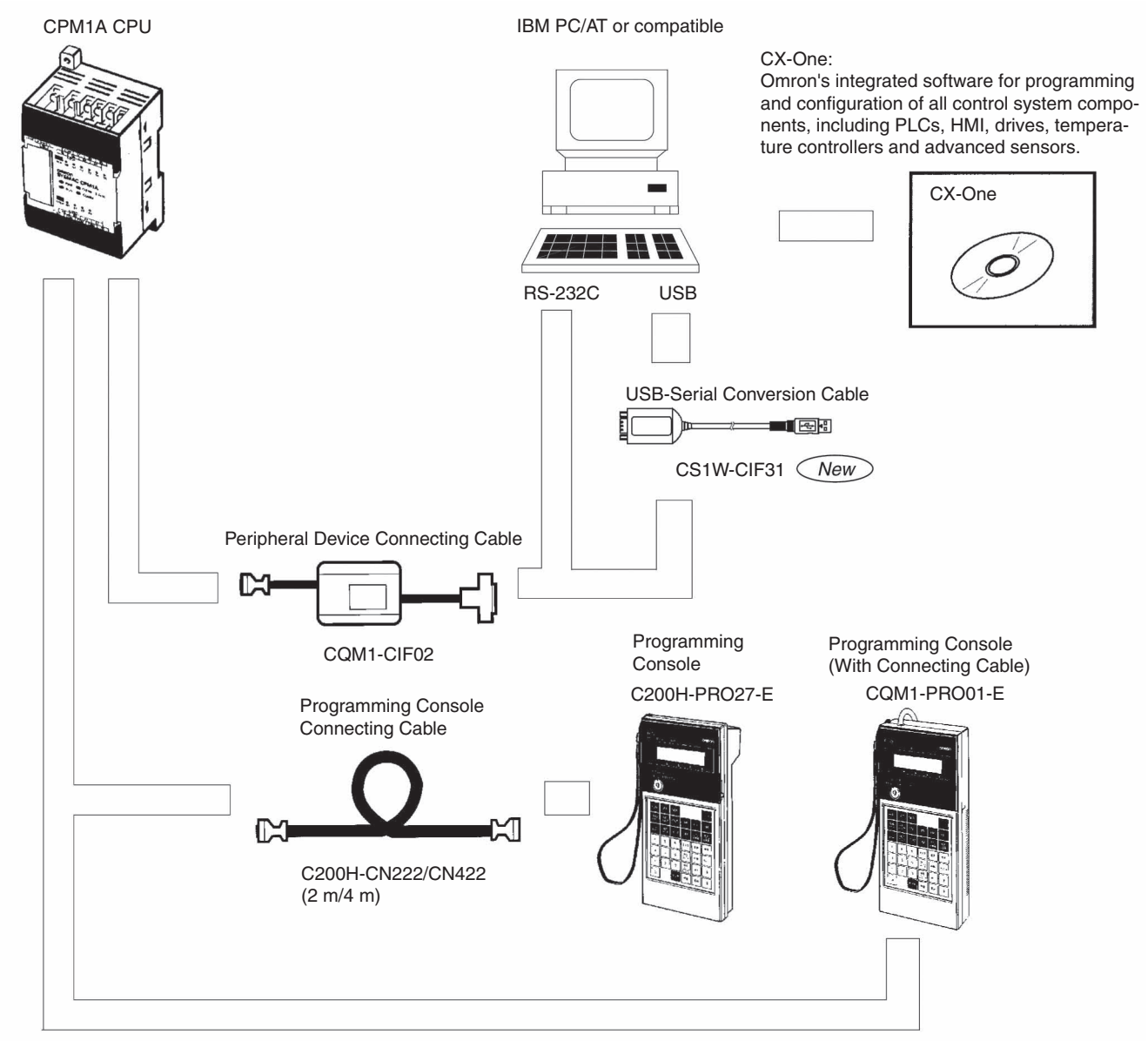
Item		Specification
Output characteristics	Output voltage accuracy	10%/–15% (including input, load, and temperature fluctuations)
	Minimum output current	30 mA
	Ripple noise voltage	2% (p-p) max.
	Input fluctuation	0.75% max.
	Load fluctuation	4% max.
	Temperature fluctuation	0.05%/°C max.
	Startup time	300 ms max. (at input voltage of 100 V AC or 200 V AC and the rated output)
	Output hold time	10 ms (at input voltage of 100 V AC or 200 V AC and the rated output)
Overcurrent protection		Self-resetting, operates at 105% to 335% of the rated current, suspended and independent operation
Overvoltage protection		None
Ambient operating temperature		0° to 55°C
Ambient storage temperature		–20° to 75°C (no condensation or icing)
Ambient operating humidity		10% to 90% (no condensation)
Dielectric strength		2,000 V for 1 min between all inputs and GR Leakage current: 10 mA 3,000 V for 1 min between all inputs and all outputs Leakage current: 10 mA 1,000 V for 1 min between all outputs and GR Leakage current: 10 mA
Insulation resistance		100 MΩ min. at 500 V DC between all outputs and any input, and between all outputs and GR
Vibration resistance		10 to 57 Hz, amplitude, 57 to 150 Hz, acceleration: 9.8 m/s^2 in X, Y, and Z directions for 80 minutes according (Time coefficient: 8 minutes × coefficient factor 10 = total time 80 min.)
Shock resistance		147 m/s^2 3 times each in X, Y, and Z directions
Noise terminal voltage		FCC class A
Weight		250 g max.

Peripheral Devices



RS-232C Adapter, RS-422 Adapter, Connecting Cable, Link Adapter

Name	Function	Model	Standards
RS-232C Adapter	Converts peripheral port levels.	CPM1-CIF01	N, L, CE
RS-422 Adapter		CPM1-CIF11	
Connecting Cable	3.3-m cable used to connect IBM PC/AT or compatible personal computers.	CQM1-CIF02	U, C, N, L, CE
Link Adapter	Converts RS-232C and RS-422 levels.	3G2A9-AL004-E	---

Programming Consoles and Cables

Product		Model	Standards
Programming Console (2-m cable attached)		CQM1-PRO01-E	U, C, N, CE
Programming Console (Requires separate cable. See below.)		C200H-PRO27-E	U, C, N, CE
Connecting Cable for C200H-PRO27-E	2-m cable	C200H-CN222	N
	4-m cable	C200H-CN422	---

Support Software

Product	Functions	Model	Standards
CX-One	Omron's integrated software for programming and configuration of all control system components, including PLCs, HMI, drives, temperature controllers and advanced sensors.	CX-ONE-AL□□C-E*1	---

*1 □□ = Number of licenses (01, 03, 10)

Product	Model	Standards
Expansion Memory Unit	CPM1-EMU01-V1	---
EEPROM (256 K)	EEROM-JD	---

Power Supply Unit

Unit	Input	Output	Model	Standards
Power Supply	100 to 240 V AC	24 V DC/600 mA	CPM2C-PA201	U, C, CE

Programming Consoles and Cables

Product		Model	Standards
Programming Console (2-m cable attached)		CQM1H-PRO01-E	U, C, N, CE
Programming Console (Requires separate cable. See below.)		C200H-PRO27-E	U, C, N, CE
Connecting Cable for C200H-PRO27-E	2-m cable	C200H-CN222	N
	4-m cable	C200H-CN422	---

Support Software

Product	Functions	Model	Standards
CX-One	Omron's integrated software for programming and configuration of all control system components, including PLCs, HMI, drives, temperature controllers and advanced sensors.	CX-ONE-AL□□C-E*1	---

*1 □□ = Number of licenses (01, 03, 10)

Product	Model	Standards
Expansion Memory Unit	CPM1-EMU01-V1	---
EEPROM (256 K)	EEROM-JD	---

Personal Computer Connecting Cables

CPM2A port	Computer port	Specifications	Cable length	Model	Standards
Peripheral	For a D-sub 9-pin port	---	3.3 m	CQM1-CIF02	U, C, N, L, CE
RS-232C	For a D-sub 9-pin port	---	2 m	XW2Z-200S-V	---
			5 m	XW2Z-500S-V	---
		Can be used with a peripheral bus or Host Link. Uses connector that prevents ESD (electrostatic discharge.)	2 m	XW2Z-200S-CV	---
			5 m	XW2Z-500S-CV	---
	For a D-sub 25-pin port	---	2 m	XW2Z-200S	---
			5 m	XW2Z-500S	---
	For a half-pitch 14-pin port	---	2 m + 0.15 m	XW2Z-200S	---
				XW2Z-S001	---
			5 m + 0.15 m	XW2Z-500S	---
				XW2Z-S001	---

Adapters

Product	Function		Model	Standards
RS-232C Adapter	Peripheral port level conversion		CPM1-CIF01	N, L, CE
RS-422 Adapter			CPM1-CIF11	N, L, CE
Link Adapter	RS-232C to RS-422A conversion	For personal computer connection (Can also be connected to the CPM2A.)	3G2A9-AL004-E	---
RS-232C to RS422A Conversion Adapter		For CPM2A connection (Can also be connected to a personal computer, but requires an external 5-V power supply.)	NT-AL001	---

Battery

Product	Function	Model	Standards
Backup Battery (See note.)	Backs up memory in the CPM2A CPU Unit.	CPM2A-BAT01	---

Note: One internal Backup Battery is provided as standard.

Expansion I/O Unit		Inputs	Outputs	Model	Standards
Units with 20 I/O points Inputs: 12 Outputs: 8	1 I/O terminal block	12 inputs (24 V DC)	8 relay outputs	CPM2C-20EDR	U, C, CE
Units with 24 I/O points Inputs: 16 Outputs: 8	2 Fujitsu connectors	16 inputs (24 V DC)	8 sinking transistor outputs	CPM2C-24EDTC	U, C, CE
			8 sourcing transistor outputs	CPM2C-24EDT1	U, C, CE
	2 MIL connectors	16 inputs (24 V DC)	8 sinking transistor outputs	CPM2C-24EDTM	U, C, CE
			8 sourcing transistor outputs	CPM2C-24EDT1M	U, C, CE
Units with 32 I/O points Inputs: 16 Outputs: 16	2 Fujitsu connectors	16 inputs (24 V DC)	16 sinking transistor outputs	CPM2C-32EDTC	U, C, CE
			16 sourcing transistor outputs	CPM2C-32EDT1C	U, C, CE
	2 MIL connectors	16 inputs (24 V DC)	16 sinking transistor outputs	CPM2C-32EDTM	U, C, CE
			16 sourcing transistor outputs	CPM2C-32EDT1M	U, C, CE

Analog I/O Units

Product	Specifications	Model	Standards
Analog I/O Unit	2 analog inputs and 1 analog output	CPM2C-MAD11	CE

Temperature Sensor Unit

Product	Specifications	Model	Standards
Temperature Sensor Unit	2 inputs for thermocouples	CPM2C-TS001	CE
	2 inputs for temperature resistance thermometers	CPM2C-TS101	

CompoBus/S I/O Link Units

Product	Specifications	Model	Standards
CompoBus/S I/O Link Units	I/O Links: 8 inputs, 8 outputs	CPM2C-SRT21	CE

I/O Connectors

(Connectors are not provided with CPU Unit. Select the appropriate ones from the following table. One CPU Unit requires two sets of Connectors.)

Fujitsu Connectors

Connection method	From OMRON		From Fujitsu
Soldered	C500-CE241	1 set	FCN-361J024-AUConnector FCN-360C024-J2Connector Cover
Crimped	C500-CE242		FCN-363J024Housing FCN-363J-AUContacts FCN-360C024-J2Connector Cover
Pressure-welded	C500-CE243		FCN-367J024-AU/F

MIL Connectors

Connection method	Model	Number in box	Specifications
Pressure-welded	XG4M-2030-T	100	Poles: 20

Note: Any commercially available 20-pole (IDC) connectors, according to MIL-C-83503, DIN 41651 or IEC 60603-1 specification, can be used.

Programming Consoles and Cables

Product		Model	Standards
Programming Console (2-m cable attached)		CQM1-PRO01-E	U, C, CE, N
Programming Console (Requires separate cable. See below.)		C200H-PRO27-E	U, C, N, CE
Connecting Cable for connecting CQM1-PRO01-E to a peripheral port		CS1W-CN114	CE
Connecting Cable for C200H-PRO27-E	2-m cable	C200H-CN222	N
	4-m cable	C200H-CN422	---
Connecting Cable for C200H-PRO27-E allowing direct connection to the CPM2C CPU Unit	2-m cable	CS1W-CN224	CE
	6-m cable	CS1W-CN624	CE

Support Software

Product	Functions	Model	Standards
CX-One	Omron's integrated software for programming and configuration of all control system components, including PLCs, HMI, drives, temperature controllers and advanced sensors.	CX-ONE-AL□□C-E*1	---

*1 □□ = Number of licenses (01, 03, 10)

Product	Model	Standards
Expansion Memory Unit	CPM1-EMU01-V1	---
EEPROM (256 K)	EEROM-JD	---