

CP1H

Current Consumption

● Based on the current consumption when CJ-series Special I/O Units or CPU Bus Units are used with a CP1H CPU Unit, the maximum number of Units that can be used is two CJ-series Units and seven CP1W Expansion Units and Expansion I/O Units.

The current consumption for the CP1H must be no more than 2 A for 5 V and 1 A for 24 V, and the total current consumption must be no more than 30 W.

Check the total current consumption to be sure these limits are not exceeded referring to page 28 for the CP1H CPU Unit and CP1W Expansion Unit and Expansion I/O Unit current consumptions and to the above table for CJ-series Unit current consumptions.

● CPU Units

Model	Current consumption		External power supply
	5 VDC	24 VDC	24 VDC (See note 5.)
CP1H-X40DR-A	0.42 A	0.07 A	0.3 A max. (0.9 A max.)
CP1H-X40DT-D	0.50 A	0.01 A	---
CP1H-X40DT1-D	0.50 A	0.02 A	---
CP1H-XA40DR-A	0.43 A	0.18 A	0.3 A max. (0.8 A max.)
CP1H-XA40DT-D	0.51 A	0.12 A	---
CP1H-XA40DT1-D	0.51 A	0.15 A	---
CP1H-Y20DT-D	0.55 A	---	---

Note: 1. The current consumption of the CP1W-ME05M Memory Cassette and the CP1W-CIF01/CIF11 Option Boards are included in the current consumption of the CPU Unit.

2. CPU Units with DC power do not provide an external power supply.

3. The current consumptions given in the following table must be added to the current consumption of the CPU Unit if an Expansion Unit or Expansion I/O Unit is connected.

4. The external power supply cannot be used if an Expansion Unit or Expansion I/O Unit is connected to a CPU Unit with 14 or 20 I/O points.

5. Values in parentheses are the maximum external power supply for a CPU Unit to which an Expansion I/O Unit is not connected. Refer to the *CP1H CPU Unit Operation Manual* (Cat. No. W450) for details.

● Option Units

Unit name	Model	Current consumption	
		DC5V	24 VDC
RS-232C Option Board	CP1W-CIF01	--- *	---
RS-422A/485 Option Board	CP1W-CIF11	--- *	---
RS-422A/485 (Isolated-type) Option Board	CP1W-CIF12-V1	0.075A	---
Ethernet Option Board	CP1W-CIF41	0.130A	---
LCD Option Board	CP1W-DAM01	0.020A	---
Memory Cassette	CP1W-ME05M	--- *	---
CJ Unit Adapter	CP1W-EXT01	--- *	---

* The current consumption of the following is included with the current consumption of the CPU Unit:

CP1W-ME05M Memory Cassette, CP1W-CIF01 or CP1W-CIF11 Option Board, and CP1W-EXT01 CJ Unit Adapter.

● Others : Equipment that uses internal power supply of PLC

Unit name	Model	Current consumption	
		5 VDC	24 VDC
Link Adapter	CJ1W-CIF11	0.04A	---
	NT-AL001	0.15A	---
Programmable Terminal NV3W-V1	Backlight (Green/Orange/Red)	0.2A	---
	Backlight (White/Pink/Red)	0.2A	---