CP1L-M USB CPU

Product Data Sheet

CP1L-M30DT-D

Thirty-point sinking transistor CPU

RATED SUPPLY	OPERATING SUPPLY RANGE	MAXIMUM POWER CONSUMPTION	BUILT-IN DIGITAL INPUTS
24 VDC	**20.4 to 26.4 VDC**	**20 W**	**18 points, 24 VDC**

Omron CP1L-M30DT-D is a CP1L-M CPU with a 24 VDC supply, 18 digital inputs and 12 sinking transistor outputs. Its built-in USB peripheral port connects programming support software, and its 10K-step program capacity and 32K-word data memory support the stored-program operation of a compact PLC.

01 TECHNICAL DATA

Rated supply	24 VDC
Operating supply range	20.4 to 26.4 VDC
Maximum power consumption	20 W
Built-in digital inputs	18 points, 24 VDC
Built-in digital outputs	12 sinking transistor outputs
Program capacity	10K steps
Data memory	32K words
Programming interface	One USB 1.1 peripheral port for support software
Expansion capacity	Up to 3 CP-series expansion or expansion I/O units
Maximum local I/O	150 points including 30 built in

OMRON W462 CP1L CPU Unit Operation Manual; DC power, mounting and 30-point I/O wiring sections.

02 ADDITIONAL PRODUCT DATA

Single-phase high-speed counting	100 kHz maximum
Pulse outputs	2 axes, 1 Hz to 100 kHz
Output switching capacity	4.5 to 30 VDC; 300 mA per output; 0.9 A per common; 2.7 A per unit
Operating temperature	0 to 55 deg C
Ambient humidity	10 to 90% RH, non-condensing

03 PRODUCT FUNCTION

The 30-point CPU accepts up to three CP-series expansion units for a maximum of 150 local I/O points. Transistor outputs support two pulse-output axes up to 100 kHz, and the high-speed counter inputs support single-phase counting up to 100 kHz. Two option-board positions allow documented serial communication options without treating the USB peripheral port as an Ethernet connection.

04 SYSTEM COMPATIBILITY

Restore the CP1L-M project through the USB peripheral port and verify CPU settings, I/O addresses, counter inputs and pulse-output assignments. The 30-point model accepts three expansion units; validate both the I/O total and expansion power consumption.

05 REFERENCE

OMRON W462 CP1L CPU Unit Operation Manual; DC power, mounting and 30-point I/O wiring sections.

AMIKON PRODUCT SUPPORT

+86-18020776786 INFO@AMIKON.CN **AMIKONG.COM**