



## CP1L-EM30DR-D

PLC, 24 VDC supply, 18 x 24 VDC inputs, 12 x relay outputs 2 A, 2 x analog inputs, 10K steps program + 32K words data memory, 1 x Ethernet port

# Specifications

|                                      |                                              |
|--------------------------------------|----------------------------------------------|
| Supply voltage type                  | DC                                           |
| Number of digital inputs             | 18                                           |
| Input type                           | PNP/NPN                                      |
| Number of digital outputs            | 12                                           |
| Output type                          | Relay                                        |
| Program capacity                     | 20 K steps                                   |
| Data memory capacity                 | 32 K words                                   |
| Logic execution time                 | 0.55 µs                                      |
| Communication port(s)                | Ethernet TCP/IP                              |
| Number of Ethernet ports             | 1                                            |
| Number of USB ports                  | 0                                            |
| Number of RS-232 ports               | 0                                            |
| Number of RS-485 ports               | 0                                            |
| Communication option(s)              | Serial RS-232C, Serial RS-422, Serial RS-485 |
| Number of encoder input channels     | 4                                            |
| Max. encoder input frequency         | 100 kHz                                      |
| Max. number of PTP axes              | 0                                            |
| Max. pulse output frequency          | 0 kHz                                        |
| Function Block programming           | ✓                                            |
| Battery-free memory backup           | ✗                                            |
| Real-time clock                      | ✓                                            |
| Analogue option boards               | ✓                                            |
| Max. number of analogue I/O channels | 34                                           |

|                                  |         |
|----------------------------------|---------|
| Max. number of local I/O points  | 150     |
| Max. number of expansion units   | 3       |
| Built-in auxiliary 24 VDC output | 0 mA    |
| Operating temperature range      | 0-55 °C |
| Product Height (unpacked)        | 90 mm   |
| Product Width (unpacked)         | 130 mm  |
| Product Depth (unpacked)         | 85 mm   |
| Product Weight (unpacked)        | 485 g   |

## Accessories

|                                                                                     |                      |                                                                                                                                 |
|-------------------------------------------------------------------------------------|----------------------|---------------------------------------------------------------------------------------------------------------------------------|
|    | <b>CP1W-ADB21</b>    | I/O option board (only CP1L-EL/EM port 1 or 2), 2 x analog inputs 0 to 10 V, resolution 1/4000 or 0 to 20 mA, resolution 1:2000 |
|  | <b>CP1W-CIF01</b>    | CP1 RS-232C (15 m max.) serial communication option board                                                                       |
|  | <b>CP1W-CIF11</b>    | CP1 RS422/485 (50 m max.) serial communication option board                                                                     |
|  | <b>CP1W-CIF12-V1</b> | CP1 RS422/485 (isolated 500 m max.) serial communication option board                                                           |
|  | <b>CP1W-CIF41</b>    | CP1 Ethernet communications option, 1 x RJ45 socket                                                                             |
|   | <b>CP1W-CN811</b>    | I/O expansion cable for CP1-series, 80 cm                                                                                       |
|  | <b>CP1W-DAB21V</b>   | I/O option board (only CP1L-EL/EM port 1 or 2), 2 x analog outputs 0 to 10 V, resolution 1:4000                                 |
|  | <b>CP1W-DAM01</b>    | LCD option board to CP1L and CP1H                                                                                               |

|                                                                                    |                             |                                                                                                                                                                                                                                                 |
|------------------------------------------------------------------------------------|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    | <b>CP1W-EIP61</b>           | CP1 EtherNet/IP communications option, for datalink function only, 1 x RJ45 socket                                                                                                                                                              |
|   | <b>CP1W-MAB221</b>          | I/O option board (only CP1L-EL/EM port 1 or 2), 2 x analog inputs 0 to 10 V, resolution 1:4000 or 0 to 20 mA, resolution 1:2000, 2 x analog outputs 0 to 10 V, resolution 1:4000                                                                |
|   | <b>CP1W-ME05M</b>           | CP1 memory cassette (for upload/download of user program)                                                                                                                                                                                       |
|   | <b>CP1W-MODTCP61</b>        | CP1 Modbus TCP communications option, Master or Slave, 1 x RJ45 socket                                                                                                                                                                          |
|   | <b>CXONE-LT01-EV4</b>       | CX-One Lite v4.x software, for Windows 7 (32-bit/64-bit ) / Windows 8.1 (32-bit/64-bit ) / Windows 10 (32-bit/64-bit ) / Windows 11 (64-bit), single-user licence only, (requires CDs, CXOne-LTCD-EV4), limited to program the CPx PLC platform |
|    | <b>XS6W-6LSZH8SS200CM-B</b> | Ethernet patch cable, F/UTP, Cat.6A, LSZH (Blue), 2 m                                                                                                                                                                                           |
|    | <b>XS6W-6LSZH8SS300CM-B</b> | Ethernet patch cable, F/UTP, Cat.6A, LSZH (Blue), 3 m                                                                                                                                                                                           |
|  | <b>XS6W-6LSZH8SS500CM-B</b> | Ethernet patch cable, F/UTP, Cat.6A, LSZH (Blue), 5 m                                                                                                                                                                                           |
|  | <b>XS6W-6LSZH8SS50CM-B</b>  | Ethernet patch cable, F/UTP, Cat.6A, LSZH (Blue), 0.5 m                                                                                                                                                                                         |

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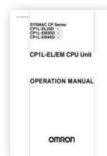
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