

ZEUS

AUTOMATION

IPC-CM401200

CODESYS Runtime



Technical Data

Housing dimensions (H x W x D)	96 x 45 x 110.5 mm
Housing type	DIN rail housing
Housing material	Polycarbonate
Weight	approx. 320 g
IP Code	IP20
Power supply	12-24 V DC -10 % / +10 %, reverse-polarity protected
Max. power consumption	20 Watt
Operating temperature	-40 °C....+60 °C
Storage temperature	-40 °C....+85 °C
Humidity (at 40 °C)	90 % (
Interfaces	2 x USB A (Total current draw from both sockets max. 1 A) 1 x RJ45 10/100/1000 Ethernet (using separate MAC addresses) 2 x RJ45 10/100 Ethernet (using separate MAC addresses) 1 x RS485 screw-type terminal (not galvanically isolated) 1 x Micro-USB (solely for image transfer to eMMC) 1 x HDMI 1 X UPS 12 Seconds 1 X 2.4 GHz, 5.0 GHz IEEE 802.11 b/g/n/ac wireless (optional) 1 X ◦ Bluetooth 5.0, BLE (optional) 1 X SSD PCI (optional)
Connectors	1 x 4-pole screw-type terminal for RS485 1 x 3-pole screw-type terminal for power supply
Processor	Broadcom BCM2711, Quad core Cortex-A72 (ARM v8) 64-bit SoC @
Clock rate	1.5GHz
Processor cooling	Passive with heat sink
RAM	2-8 GB(2 Gb Default)
Flash memory	TF Card, SSD ,32-64(32 GB Default) GB eMMC (Optional) Internal SSD pci 129 GB-1 TB(option)

PC-CM401200

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Input type	24 V control voltage (e.g. for power-good signal of a UPS)
Input thresholds	approx. 2.0 V (0 -> 1) / 2.3 V (1 -> 0)
Input protection	against overvoltage, negative voltages, UPS
Maximum current load of the contact	2 A @ 30 V DC (resistive load!)
Software integration of input and output	Via GPIOs and process image. Output is optionally switched by hardware watchdog.
Hardware watchdog interval	Trigger after approx. 30 seconds without toggling the reset bit.
Compatible modules for system expansion	no expansion on board, only via Ethernet Or Rs485 Support Profinet, Ethernet/ip ,Ethercat. ,Modbus/Tcp
ESD protection	4 kV / 8 kV (according to EN 61131-2 and IEC 61000-6-2)
EMI tests	Passed (according to EN 61131-2 and IEC 61000-6-2)
Surge/Burst tests	Passed (according to EN 61131-2 and IEC 61000-6-2)
Buffer time RTC	min. 3 year
Optical indicator	4 status LEDs (Green-color), two of them freely programmable
CODESYS runtime	Multicore CODESYS Control runtime installed & licensed.
RoHS conformity	Yes
CE conformity	Yes
UL certification	No