B-PRIMIS **DC-PI PRIME 10**
INFORMATION **TECHNICAL DATA**

B° BERGHOF

B-Primis DC-Pi Prime 10	
Dimensions WxHxD [mm]	260 x 185 x 80
Display diagonals/ Resolution	10,1" Display / 1280 x 800
Touch operation	capacitive, Multitouch
Weight	1.1 kg
Mounting	Control cabinet / Optional: VESA mount
Certification	CE, optional: UL
Development environment	CODESYS V3 (IEC61131-3) / Raspberry PI OS
CPU	Raspberry PI CM4 (1,5 GHz Quad Core)
RAM- / Flash- / Retain	1 GB up to 8 GB RAM / 8 GB up to 32 GB eMMC Flash / 100 kB Retain
Protocols	Standard: EtherCAT Master, CANopen Master Optional: Modbus RTU, Modbus TCP, SNMP, OPC UA, J1939, Ethernet/IP, PROFINET, BACnet, KNX
Visualization	Target Visu , Web Visu, Web Browser
Configurations	
Version with CODESYS	DC-Pi Prime 10 SO1 — DC-Pi Prime 10 SO2 — DC-Pi Prime 10 SO4
Order number	**S-01010403-0105** — **S-01010403-0205** — **S-01010403-0405**
Version with Raspberry PI OS	DC-Pi Prime Open 10 SO1 — DC-Pi Prime Open 10 SO2 — DC-Pi Prime Open 10 SO4
Order number	**S-01080203-0105** — **S-01080203-0205** — **S-01080203-0405**
Communication interfaces	2x Ethernet via RJ45 (100/1000), also configurable as EtherCAT
	2x USB 2.0 Host — 2x USB 3.0 Host — 2x USB 3.0 Host
Additional features	1x highly accurate RTC +- 7 ppm (buffer time > 30 days)

Characteristics DC-Pi Prime 10	SO1	SO2	SO4
CAN		x	x
RS232		x	x
RS485		x	x
8x Digital Input			x
8x Digital Output			x
8x Analog Input			x
2x Analog Output			x
MicroSD-Card-Slot		x	x
Beeper		x	x
Order option cooling fan	x	x	x
Order option SSD		x	x
Order option AI-Accelorator		x	x

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Supply parameters	+24 VDC (-20% / +25%) SELV supply voltage with reverse polarity protection. Max. AC voltage component 5%
Operating conditions Transport / storage	Ambient temperature: Operation: -10 °C to +55 °C without fan Operation: -10 °C to +65 °C with fan Transport: -20 °C to +70 °C Relative humidity: max. 85 %, non-condensing
Protection class	Rear IP20, front IP54 (up to IP65)
Emitted interference	IEC 61000-6-4:2019, industrial area
Immunity to interference	IEC 61000-6-2: 2019, industrial area
Vibration	Sinusoidal (EN 60068-2-6) test: Fc;10 ... 150 Hz, 1 G (operation mode)
Schock resistance	15 G (approx. 150 m/s²), 10 ms duration, half-sine (EN 60068-2-27) test: Ea