

# B-PRIMIS DC-PI PRIME 10

## INFORMATION TECHNICAL DATA

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 S01	DC-Pi Prime 10 S02	DC-Pi Prime 10 S03	DC-Pi Prime 10 S04
Order number	<b>S-01010403-0105</b>	<b>S-01010403-0205</b>	<b>S-01010403-0305</b>	<b>S-01010403-0405</b>
Version with Raspberry PI OS	DC-Pi Prime Open 10 S01	DC-Pi Prime Open 10 S02	DC-Pi Prime Open 10 S03	DC-Pi Prime Open 10 S04
Order number	<b>S-01080203-0105</b>	<b>S-01080203-0205</b>	<b>S-01080203-0305</b>	<b>S-01080203-0405</b>
Communication interfaces	2x Ethernet via RJ45 (100/1000), also configurable as EtherCAT			
	2x USB 2.0 Host			
	-	1x CAN Bus, RJ45		
	-	1x RS485, RJ45		
Additional features	-	1x RS232, RJ45		
	1x real-time clock, rechargeable battery-buffered, accuracy +- 20 ppm			
	1x MicroSD card slot			
	-	Optional: SSD drive		
	-	Optional: Highly accurate RTC +- 7 ppm		
	-	Optional: AI hardware acceleration		
Digital I/O's	-	Optional: 8x digital In	8x digital In	
	-	Optional: 8x digital Out	8x digital Out	
	-	-	4x analog in for current / voltage, 12 bit	
	-	-	4x analog In, current / voltage / PT100 / PT1000, 24 bit, filter function	
Analog I/O's	-	-	2x Analog-Out / Voltage, 12 Bit	
	-	-		

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www.berghof-automation.com | Änderungen und Irrtümer vorbehalten



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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: -20 °C to +50 °C without fan and without heat sink Operation: -20 °C to +60 °C with fan and heat sink Transport: -20 °C to +70 °C Relative humidity: max. 85 %, non-condensing
Protection class	Back IP20, front IP54
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/s <sup>2</sup> ), 10 ms duration, half-sine (EN 60068-2-27) test: Ea

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