

# B-PRIMIS DC-PRIME 10

## INFORMATION TECHNICAL DATA

B-Primis DC-Prime 10	Specification				
	Description	DC-Prime 10 S01	DC-Prime 10 S02	DC-Prime10 S03	DC-Prime 10 S04
Order number	<b>S-01010104-0105</b>	<b>S-01010104-0205</b>	<b>S-01010104-0305</b>	<b>S-01010104-0405</b>	<b>S-01010104-0505</b>
Order number Dualcore	-	-	-	<b>S-01010104-2405</b>	<b>S-01010104-2505</b>
Dimensions WxHxD [mm]	259 x 177 x 55				
Display diagonals/re-resolution	10,1" Display / 1280 x 800 (WXGA)				
Touch operation	Capacitive, multitouch				
Colours	TFT: 16,7 M (24 Bit/Pixels)				
Weight	approx. 2,5 Kg				
Mounting	removable securing clips				
Certification	CE (EN 61131-2)				
CPU	800 MHz ARM® CPU with Cortex™-A9 Single Core / Dualcore: 2x 800 MHz ARM® CPU mit Cortex™-A9				
RAM / Flash / Retain	512 MB RAM 512 MB Flash 100 kB Retain		512 MB RAM 1 GB Flash 100 kB Retain	512 MB RAM 2 GB Flash 100 kB Retain	
Dualcore	-	-	-	1 GB RAM 2 GB Flash 100 kB Retain	
Communication interfaces	1x Ethernet, 10/100 Base, RJ45				
	1x EtherCAT, RJ45				
	-	-	1x CAN Bus, RJ45		2x CAN Bus, RJ45
	-	-	-	1x RS232/485 combo	
Protocols	Standard: EtherCAT Master, CANOpen Master, NTP, FTP Optional: Modbus RTU/TCP, SNMP, OPCuA, J1939, Ethernet/IP, PROFINET, BACnet, KNX, IoT				
Visualization	Target Visu (VNC Server), Optional: Web Visu (Web Server, HTML5)				
Additional features	2x Host USB 2.0 / USB plug type A				
	1x RTC, battery buffered		1x Micro SD-Card slot up to 32 GB		
Digital I/O's	4x digital inputs, 4x digital outputs (0,5A)				
Analogue I/O's	- 4x analog input (-10V..+10V, 2x PT100/PT1000) Resolution: 24 Bit				
Supply voltage	+24 VDC (-15% / +20%) SELV max. AC voltage component 5% with reverse voltage protection				
Current consumption device	Typ. 0,8 A, max. 1,2 A at +24 VDC				
Current consumption dig. outputs	depending on output load, continuous max. 2A				
Operating conditions	Ambient temperature: operational: 0 °C to 55 °C / transport -20 °C to +70 °C				
Transport / storage	Ambient temperature: operational Dualcore: 0 °C to 50 °C / transport -20 °C to +70 °C Relative humidity: max. 85%, non-condensing				

You can reach us at:

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<b>EMC, Protection type</b>					
Emitted interference	EN 61131-2; EN 61000-6-4, industrial area				
Immunity to interference	EN 61131-2; EN 61000-6-2, industrial area				
Protection class	III				
Insulation strength	EN 61131-2				
Protection type	IP20, front IP55				
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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