

B-PRIMIS DC-PRIME 10,1“

INFORMATION TECHNICAL DATA

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B-Primis DC-PRIME 10,1“	Specification				
Description	DC-PRIME 10,1“ S01	DC-PRIME 10,1“ S02	DC-PRIME 10,1“ S03	DC-PRIME 10,1“ S04	DC-PRIME 10,1“ S05
Order number	S-01010104-0105	S-01010104-0205	S-01010104-0305	S-01010104-0405	S-01010104-0505
Dimensions WxHxD [mm]	259 x 177 x 55				
Display diagonals/re-resolution	10,1“ Display / 1280 x 800 (WXGA)				
Touch operation	Capacitive				
Colours	TFT: 16,7 M (24 Bit/Pixels)				
Weight	approx. 2,5 Kg				
Mounting	Integrated secure clips				
Certification	CE (EN 61131-2) / CB Scheme (IEC 61010-2-201) / $c_{UL_{us}}$ (UL 61010-2-201)				
CPU	800 MHz Arm® CPU with Cortex™-A9 Single Core				
RAM / Flash / Retain storage	512 MB RAM / 512 MB Flash / 100 kb FRAM	512 MB RAM / 512 MB Flash / 100 kb FRAM	512 MB RAM / 1 GB Flash / 100 kb FRAM	512 MB RAM / 2 GB Flash / 100 kb FRAM	512 MB RAM / 2 GB Flash / 100 kb FRAM
Communication interfaces	1x Ethernet, 10/100 Base, RJ45	1x Ethernet, 10/100 Base, RJ45	1x Ethernet, 10/100 Base, RJ45	1x Ethernet, 10/100 Base, RJ45	1x Ethernet, 10/100 Base, RJ45
	1x EtherCAT, RJ45	1x EtherCAT, RJ45	1x EtherCAT, RJ45	1x EtherCAT, RJ45	1x EtherCAT, RJ45
	-	-	1x CAN Bus, RJ45	1x CAN Bus, RJ45	2x CAN Bus, RJ45
	-	-	-	1x RS232/485 combo	1x RS232/485 combo
Protocols	Standard: EtherCAT Master, CANopen Master Optional: Modbus RTU M/S, Modbus TCP M/S, SNMP, OPC UA, J1939, Ethernet/IP, PROFINET, BACNet				
Visualization	Target Visu (VNC Client), Web Visu (Web Client, HTML5)				
Additional features	2x host USB 2.0 / USB plug type A	2x host USB 2.0 / USB plug type A	2x host USB 2.0 / USB plug type A	2x host USB 2.0 / USB plug type A	2x host USB 2.0 / USB plug type A
	1x RTC, battery buffered	1x RTC, battery buffered	1x RTC, battery buffered	1x RTC, battery buffered	1x RTC, battery buffered
	-	-	1x Micro SD-Card slot up to 32 GB	1x Micro SD-Card slot up to 32 GB	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 universal analog input (-10V..+10V, 2x PT100/PT1000) Resolution: 24 Bit	4x universal analog input (-10V..+10V, 2x PT100/PT1000) Resolution: 24 Bit	4x universal analog input (-10V..+10V, 2x PT100/PT1000) Resolution: 24 Bit	4x universal analog input (-10V..+10V, 2x PT100/PT1000) Resolution: 24 Bit

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Supply voltage	+24 VDC (-15% / +20%) SELV max. AC voltage component 5% with reverse voltage protection				
Current consumption modules	Typ. 0,8 A, max. 1,2 A at +24V				
Current consumption dig. outputs	depending on output load, in the long run max. 2A				
Operating conditions Transport / storage	Ambient temperature: operational: 0 °C to 55 °C / transport -20 °C to +70 °C Relative humidity: max. 85%, non-condensing				
EMC, Protection type					
Emitted interference	EN 61131-2				
Immunity to interference	EN 61131-2				
Protection class	III				
Insulation strength	EN 61131-2; 500 V DC Prüfspannung				
Protection type	IP20, front IP44				
Vibration	Sinusoidal (EN 60068-2-6) test: Fc;10 ... 150 Hz, 1 G (operation mode)				
Schock resistance	15 G (approx. 150 m/s ²), 10 ms duration, half-sine (EN 60068-2-27) test: Ea				