

B-NIMIS MC PI-PLUS

INFORMATION TECHNICAL DATA

B-Nimis MC Pi-Plus	Specification	
Description	MC Pi-Plus S01	MC Pi-Plus S02
Order number	S-01030303-0100	S-01030303-0200
Dimensions WxHxD [mm]	53 x 122 x 89	
Mounting	Rail mounting NS 35/7,5 EN 50022	
Certification	CE (EN 61131-2), _e UL _{us} (UL 61010-2-201)	
Development environment	CODESYS V3 (IEC61131-3)	
CPU	BCM2711, 1,5 GHz Quad Core	
RAM /Flash /Retain	1GB RAM / 8GB Flash / 200 kB Retain	2GB RAM / 8GB Flash / 200 kB Retain
Communication interfaces	1x Ethernet 10/100/1000 Base, RJ45	
	1x Ethernet 10/100 Base 2-Port Switch, RJ45	
	1x Ethercat, LVDS	
Protocols	WiFi/Bluetooth (Optional)	
	Standard: EtherCAT Master, NTP, FTP Optional: Modbus TCP, SNMP, OPCuA, Ethernet/IP, PROFINET, BACnet, KNX, IoT CANOpen Master and J1939 with additional MC-IO Module	
Visualization	WebVisu (Web Server, HTML5) over digital display interface (integrated web browser) or external web browser	
Additional features	3x Host USB 3.0 / USB plug type A	
	1x CAN Bus, RJ45	
	1 x RS232 and 1 x RS485 not usable in parallel, RJ45	
	1x uSD (SDXC)	
	1x Digitale display interface	
	1x 2 Pin for optional cooling fan (5V)	
	1x Real Time Clock, 30 days puffer	
Extensions	Extended heat sink (optional)	
	B-Nimis MC-IO EtherCAT Expansion modules (DIO, AIO, temperature, counter, Relais Multi, communication)	
Supply voltage	+24 VDC (-15% / +20%) SELV max. AC voltage component 5% with reverse voltage protection	
Current consumption	Typ. 0.3 A, max. 2 A at +24 VDC	

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Operating conditions Transport / storage	Ambient temperature: : Operational: 0 °C to 40 °C / Transport -20 °C to +70 °C Relative humidity: max. 85%, non-condensing	
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	

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