

B-NIMIS **BC-PI PLUS**

INFORMATION **TECHNICAL DATA**

B-Nimis BC-Pi Plus	Specification		
	BC-Pi Plus S01	BC-Pi Plus S02	BC-Pi Plus S03
Order number	S-01080103-0100	S-01080103-0200	S-01080103-0300
Dimensions WxHxD [mm]	53 x 122 x 89		
Mounting	Rail mounting NS 35/7,5 EN 50022		
Certification	CE (EN 61131-2)		
Development environment	Raspberry Pi OS		
	Compatible with Raspberry community softwarepool		
CPU	BCM 2711, 1,5 GHz Quadcore		
RAM / Flash	1GB RAM / 8GB Flash	2 GB RAM / 8 GB Flash	4 GB RAM / 32 GB Flash
Communication interfaces	1x Ethernet 10/100/1000 Base, RJ45		
	1x EtherCAT LVDS		
	- WLAN / Bluetooth (optional)		
Protocols	EtherCAT Master and others available via third party suppliers		
Visualization	via display interface		
	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 digital display interface		
	1x 2 Pin for optional cooling fan (5V)		
	1x uSD (SDXC)		
Additional features	1x Real Time Clock, 30 days puffer		
	Extension: Heat sink (Option: H002)		
	Extension: Fan (Option: H003)		
Supply voltage	+24 VDC (-15% / +20%) SELV max. AC voltage component 5% with reverse voltage protection		
Current consumption	Type 0.5A, max. 2A at +24 VDC		
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 61000-6-4, industrial area		
Immunity to interference	EN 61000-6-2, industrial area		
Protection class	III		
Insulation strength	EN 61131-2		
Protection type	IP20		

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