

# 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	BC-Pi Plus S04
Description	BC-Pi Plus S01	BC-Pi Plus S02	BC-Pi Plus S03	BC-Pi Plus S04
Order number	<b>S-01080103-0100</b>	<b>S-01080103-0200</b>	<b>S-01080103-0300</b>	<b>S-01080103-0400</b>
Dimensions WxHxD [mm]	53 x 122 x 89			
Mounting	Rail mounting NS 35/7,5 EN 50022			
Certification	CE (EN 61131-2), UL <sub>us</sub> (UL 61010-2-201)			
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	8 GB RAM / 32 GB Flash
Communication interfaces	1x Ethernet 10/100/1000 Base, RJ45 1x EtherCAT LVDS WiFi / Bluetooth (optional)			
Protocols	EtherCAT Master and others available via third party suppliers			
Visualization	via display interface			
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 digital display interface 1x 2 Pin for optional cooling fan (5V) 1x uSD (SDXC) 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 0.3 A, max. 2 A 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			

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