

# B-NIMIS **BC-PI PRIME**

## INFORMATION **TECHNICAL DATA**

B-Nimis BC-Pi Prime	Specification			
Description	BC-Pi Prime S01	BC-Pi Prime S02	BC-Pi Prime S03	BC-Pi Prime S04
Order number	<b>S-01080102-0100</b>	<b>S-01080102-0200</b>	<b>S-01080102-0300</b>	<b>S-01080102-0400</b>
Dimensions WxHxD [mm]	53 x 122 x 89			
Mounting	Rail mounting NS 35/7,5 EN 50022			
Certification	CE (EN 61131-2), <sup>UL</sup> <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			
	4x Host USB 3.0 / USB plug type A			
	1x digital display interface			
	1x 2 Pin for optional cooling fan (5V)			
Additional features	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	Ambient temperature: : Operational: 0 °C to 40 °C / Transport -20 °C to +70 °C			
Transport / storage	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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