

NovaCarts Backplane

This backplane can accommodate up to nine NovaCarts boards, each with an extension board. Power is supplied via backplane contacts, which also provides a connection to the fail rails. In addition, the Gigabit Ethernet signals for communication between the boards and the control PC are routed via the backplane, with trigger lines providing synchronization between the boards. The backplane also controls the fan depending on the ambient temperature.

The NovaCarts Backplane NC-BPM4400 can operate in both standalone mode without a real-time system as well as in an HIL simulator, and is also compatible with all NovaCarts products.

Connections

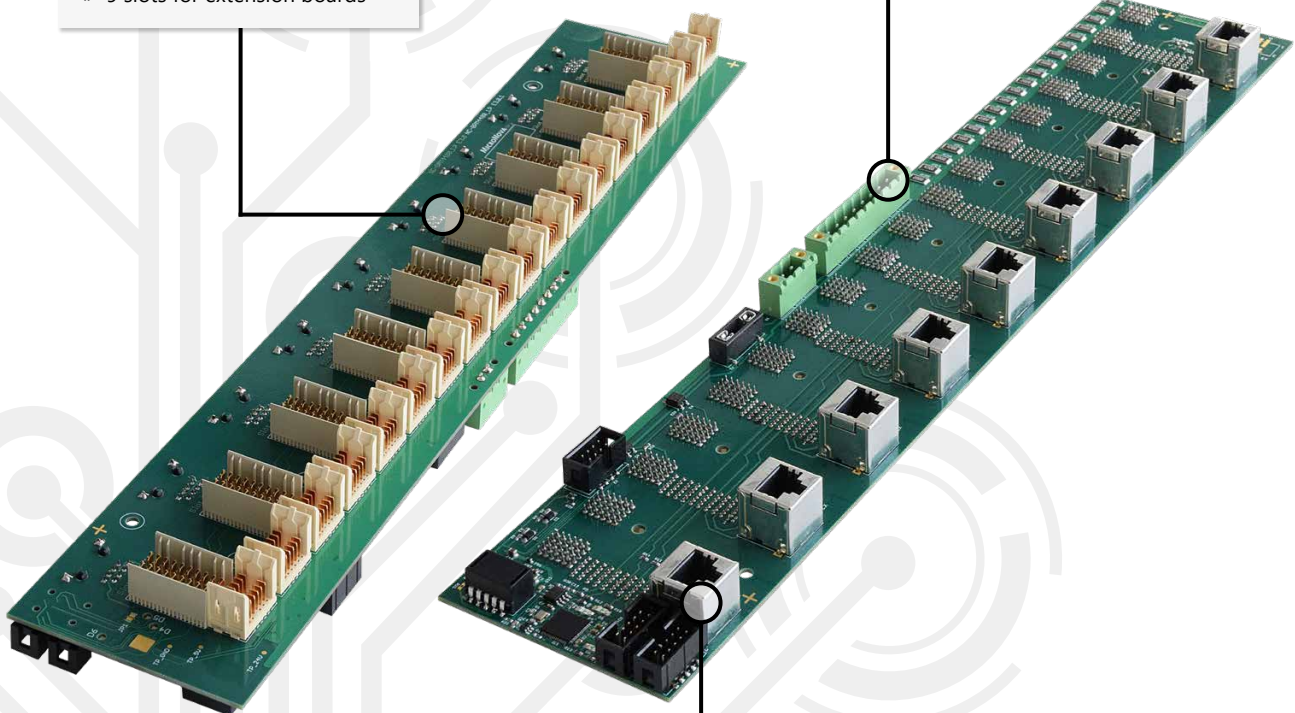
- » 9 slots for NovaCarts boards
- » 9 slots for extension boards

Diagnosis and Maintenance

- » Easy maintenance thanks to automatic self-testing and automatic self-configuration
- » Advanced diagnostic capability

Ethernet Interface

- » 9 interfaces for connectivity



Data Sheet

Module name: **NC-BPM4400**

Data sheet version: **1V0**

Features

Slots for NovaCarts boards	9
Slots for extension boards	9
Power supply	24 V / 48 V
Operating temperature	0 to +55 °C
Storage temperature	-20 to +70 °C
Humidity	10 % to 90 % (no condensation)
Dimensions	386 mm x 73 mm
Fail rails	2
Trigger lines	4

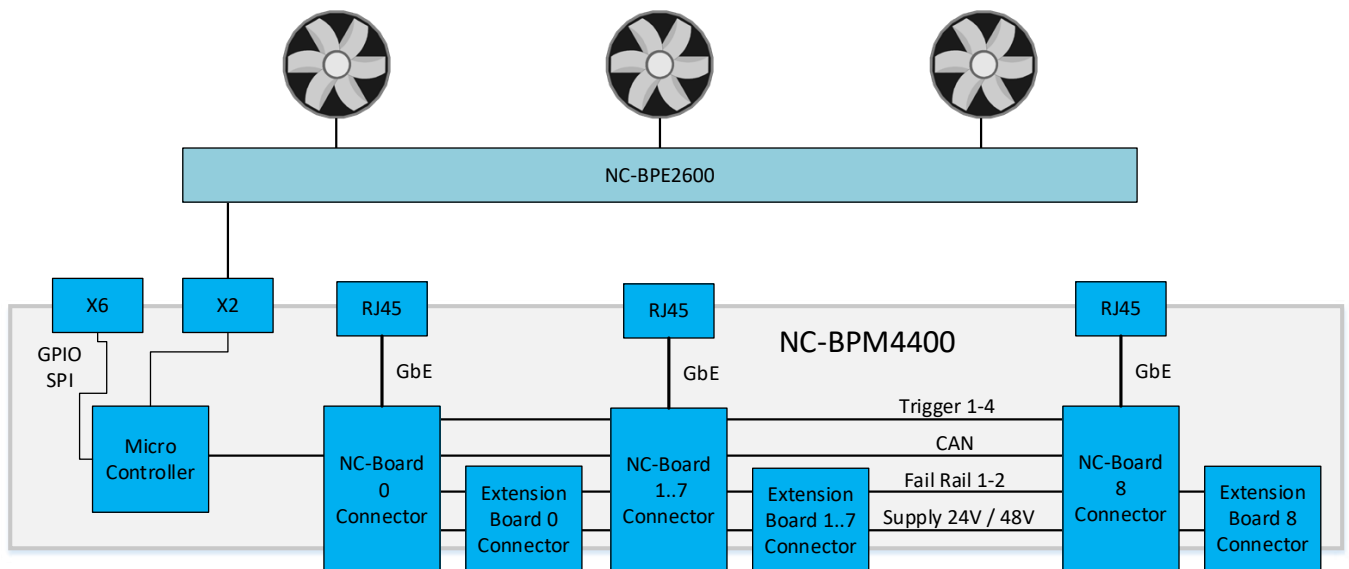
Specifications

Slots for NovaCarts Boards

24 V power supply	2 A
48 V power supply	2 A
Fail rails	7 A
Trigger line	50 MHz

Slots for Extension Boards

24 V power supply	2 A
Fail rails	7 A



Despite great care being taken to ensure accuracy, the information provided may contain errors or inaccuracies. MicroNova AG and ks.MicroNova GmbH assume no liability for the use of the information or for the infringement of patents or the rights of third parties. All specifications are subject to change without notice. Use does not entail any implied or other form of assignment of license under any patent or patent law.

All trademarks and logos are the property of the company concerned.