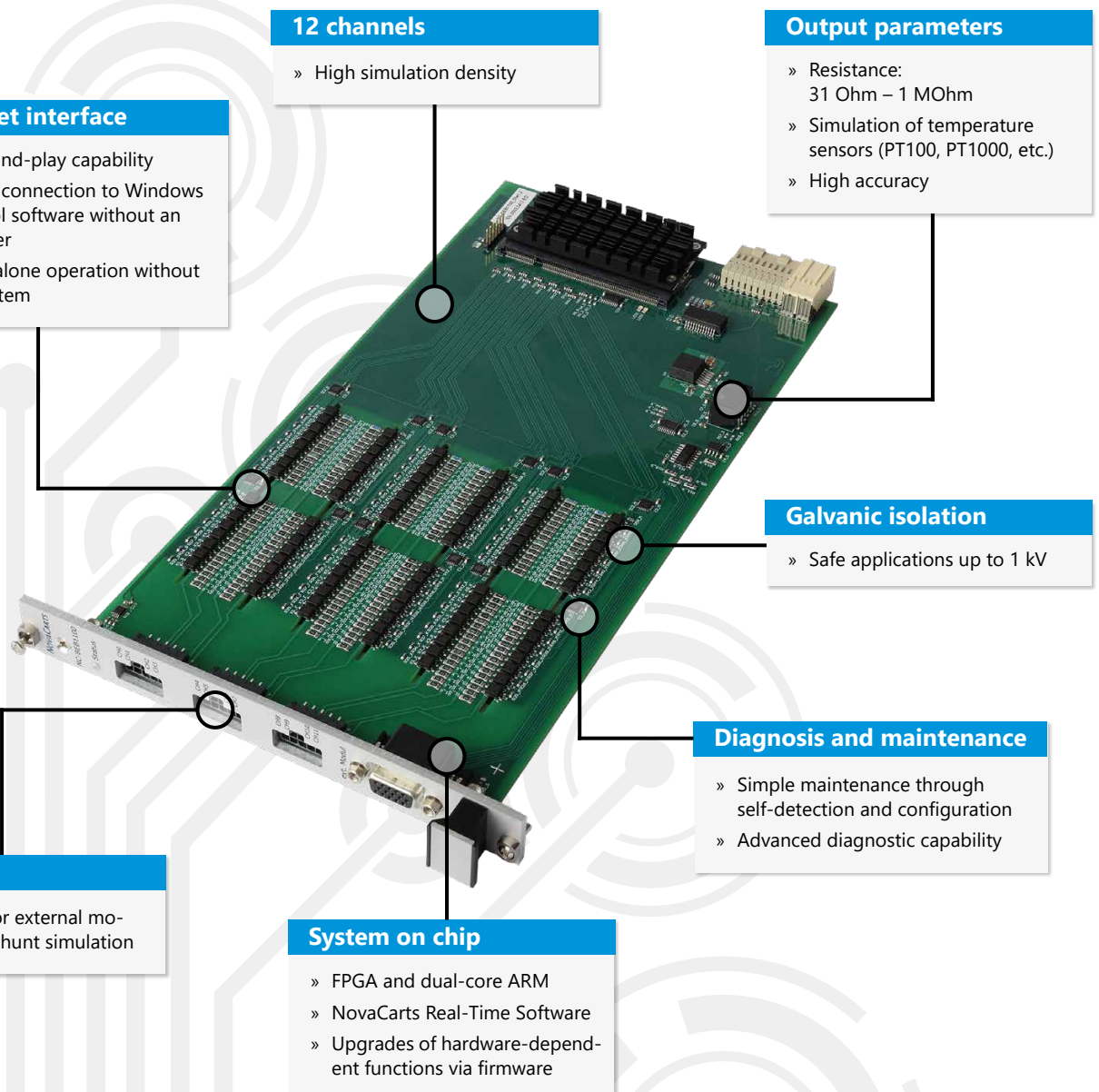


## NovaCarts Resistor Simulation Board

Especially designed to simulate the ohmic behavior of temperature sensors (e.g. PT100, PT1000), the board offers twelve independently controllable channels in real-time.

The high channel density of the board allows users to implement even HiL systems with numerous I/Os, both compactly and inexpensively. Since groups of four channels are galvanically isolated up to a peak voltage value of 1,000 V, the board is ideally suited for the simulation of temperature sensors required for the testing of battery control units.



## Data Sheet

Module name: **NC-BEB1100**

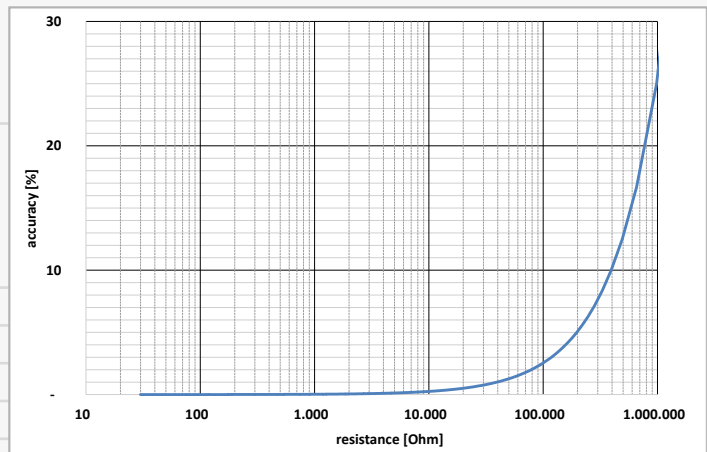
Data sheet version: **2V0**

### Features

Resistance simulation	3 groups with 4 channels
Connection for external module	1
Supply voltage	24 V
Operating temperature	0 to +55 °C
Storage temperature	-20 to +70 °C
Humidity	10 to 90 % (no condensation)
Dimensions	Height: 4U, Width: 4U
Connection to RT system	Ethernet

### Specifications

Configurable resistance range	31 Ohm – 1 MOhm
Accuracy:	
31 Ohm – 3.9 kOhm	+/- 100 mOhm, +/- 0.2 % *
3.9 kOhm – 39 kOhm	+/- 1 % *
39 kOhm – 100 kOhm	+/- 3 % *
100 kOhm – 1 MOhm	+/- 30 % *
	* of the default value
Resolution	16 bit
Max. performance dissipation	250 mW
<b>Galvanic isolation</b>	
Group to group	1,000 V
Channel to system	1,000 V
Channel to channel	200 V



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.