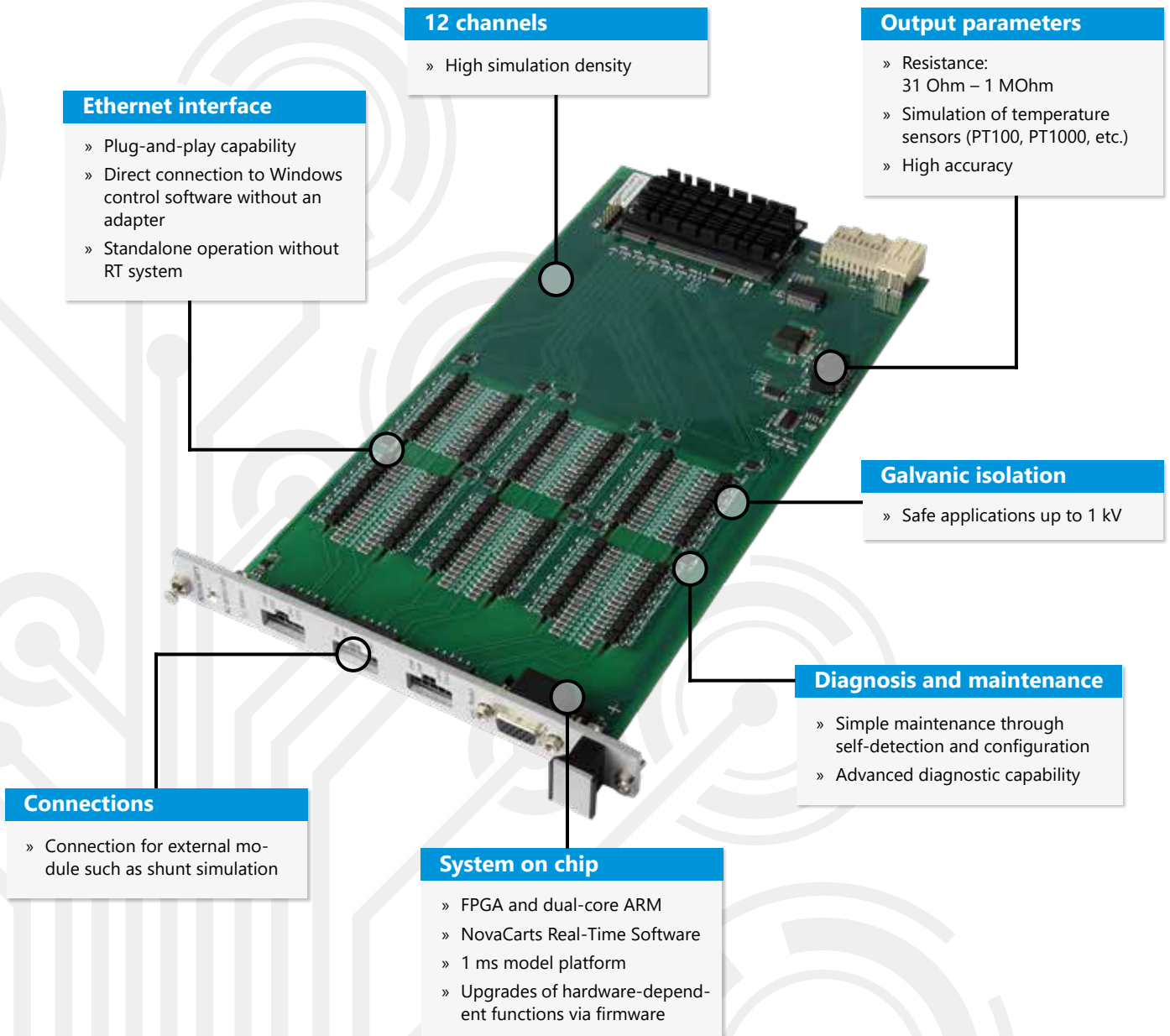


## NovaCarts Resistor Simulation Board

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**

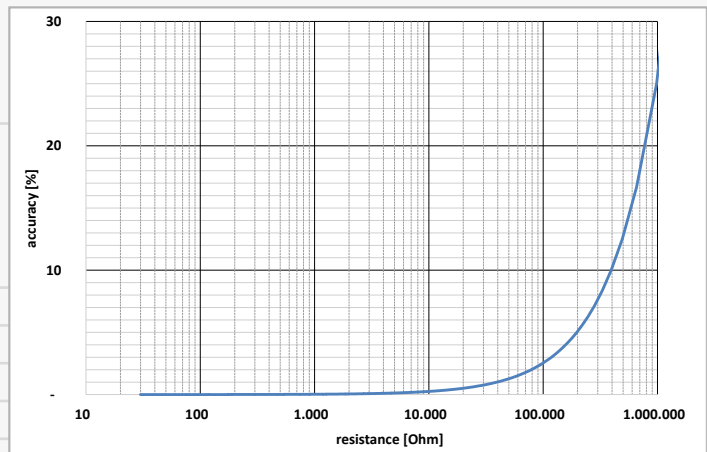
Data sheet version: **1V9**

### 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



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