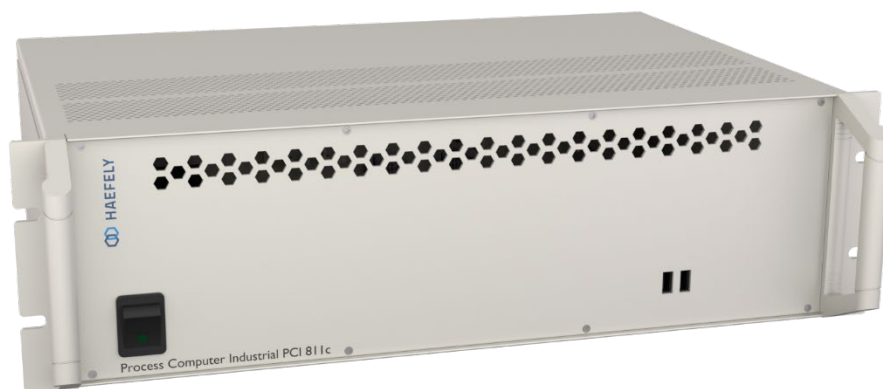




PCI 811c

EMC hardened process
computer for high voltage
laboratories

Datasheet



HAEFELY

Current and voltage – our passion

Designed by



General Description

The PCI 811c is a specially developed computer that works seamlessly in high voltage laboratories. It is built with state-of-the-art components, and includes all kinds of connections that can control almost any Haefely test system, or measuring device.

The built-in Harting fiber optic connector allows direct connection to any Haefely test system or measuring device equipped with the same connector without the need of an additional media converter.

The PCI 811c is built in a standard rack case, and can be installed in a trolley below the control table, or in any

available rack. Rubber supports are also included, in case it needs to be used as a desktop device.

The device is equipped with two display adaptors to connect two monitors at full HD resolution. In this configuration, one screen can be used for the system control (like Impulse generator or AC/DC system), and the second screen for the required measuring device (like HiAS™ or DDX™ PD detector). On this configuration the operator can control the complete HV laboratory with one single keyboard and mouse.

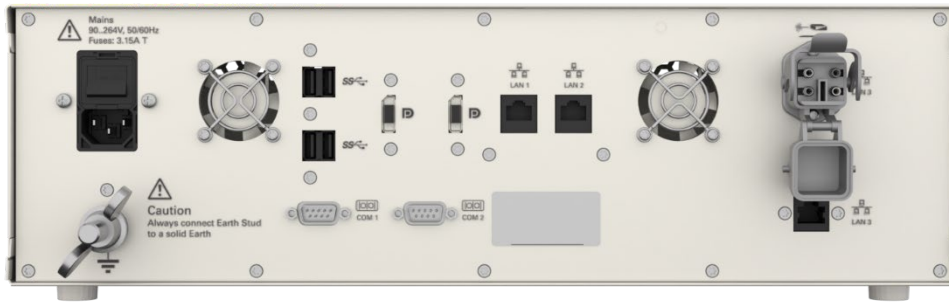
Features	Advantages
<ul style="list-style-type: none">▪ Robust design, EMC tested	<ul style="list-style-type: none">☑ Works in high voltage laboratories – Prepared to work without disconnection or interruptions in high voltage laboratories, even under chopped impulses.
<ul style="list-style-type: none">▪ Harting FO connection	<ul style="list-style-type: none">☑ Plug and Play – Connection to Haefely high voltage test systems or measurement devices without media converter.
<ul style="list-style-type: none">▪ 2 x RS 232, 3 x Ethernet, 6 x USB, 2 x DisplayPort.	<ul style="list-style-type: none">☑ Can connect to almost any measurement device – Easy replacement of previous Haefely PCI computers

Applications

- Computer control for Impulse, DC and AC high voltage test systems
- Long duration tests controls

Scope of Supply

- PCI 811c EMC hardened computer
- Monitor 24"
- English GB Keyboard and mouse
- Mousepad



Technical Data

System Hardware	
Processor	Intel® Core™ i7-9700E, 2.6 (4.4) GHz, 65 W
Mainboard	Fujitsu D3633-S mITX
Memory	2 x 4 GB DDR4-2666
Storage	1 x 256 GB SSD M.2
System Software	
Operating System	Windows 10 IoT Enterprise 2019
User Software	Pre-installed ready-to-use, according to order
Interfaces Front Panel	
USB	2 x USB 2.0
Power	Rocker switch
Interfaces Back Panel	
Power	Power Inlet with combined switch / fuse holder unit (IEC-320 C14)
Grounding	M10 wing nut
LAN 1	1 x 10/100/1000 MBit/s (RJ-45)
LAN 2	1 x 10/100/1000 MBit/s (RJ-45)
LAN 3	1 x optical Harting Han3A-gw-M20 (SC type) 1 x 10/100 Mbit/s (RJ-45)
Video	2 x DisplayPort DP V1.1, max. resolution 1900 x 1200 @ 60 Hz
Serial Port	2 x RS-232 (9P D-Sub male connector)
USB	4 x USB 3.0
Operating Conditions	
Operating Temperature	10 ... 40°C
Humidity	5 ... 90 % r.h., non-condensing
Supply Voltage	90 ... 264 V, 50/60 Hz
Power	150 VA
Mechanical	
Dimensions (W x D x H)	480 x 305 x 135 mm, 19", 3U, EMC hardened housing
Weight	Approx. 7.5 kg
Applicable Standards	
CE conformity	EN 61010-1:2010, EN 61326-1:2013
Vibration	IEC 60068-2-64 Spectrum A1 Transportation 1a

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V2022.08



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HIGH VOLTAGE



INSTRUMENTS



EMC

precision.
swiss made.