IFB-C Interface Board Multiboot

Technical Specifications

Interface Board IFB-C and Connectors	
Operating temperature	10 °C to 50 °C
Storage temperature	0 °C to 50 °C
Relative humidity	10 % to 85 % , non-condensing
Dimensions (W x D x H)	250 mm x 83 mm x 25 mm
Weight	300 g
Front Panel	
2 Sync OUT and Sync IN	Connectors for IFB-C connection in a chain Lemo connector, EPL 00250 NTN
1 8-Channel Analog In	10-pin connector DIL10Header-100mil
2 Analog Inputs	Lemo connector, EPL 00250 NTN
2 LEDs	LEDs for link status 1 and 2
4 Digial outputs	Lemo connector, EPL 00250 NTN
4 Digital inputs	Lemo connector, EPL 00250 NTN
Ground	Common jack 4 mm, banana plug
Rear Panel	
On / Off	I/O switch
Power supply	MPU 30, PWR DC 0.85 x 2.75 mm
Ground	Common jack 4 mm, banana plug
1 16 Bit Digital In / Out	68-pin Honda-PCS-XE68LFD
2 Auxiliary channels	Lemo connector, EPL 00250 NTN
2 Audio output	Standard stereo jack 3.5 mm
1 Digital signal processor DSP port	14-pin connector DIL14Header-100mil-angeled
2 Connectors for headstage, signal collector unit SCU or receiver	External power over iX industrial standard, type B
2 USB ports	USB-C A and USB-C B
Signal input range for analog channels	± 10 V voltage input range @ 24 bit ADC
Gain for analog channels	2 *

March 2021

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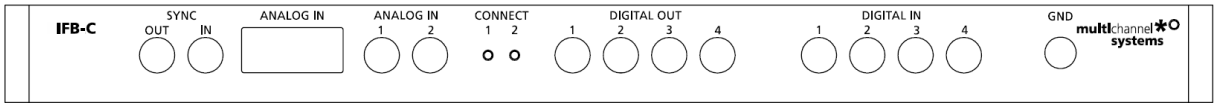
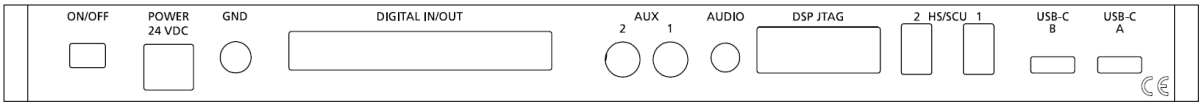


Front Panel



Rear Panel

Power Supply Unit (MPU 30)

Input voltage	110 - 240 V
Output voltage	24 V
Max. power	65 W
Mark of conformity	CE, TÜV, cUL
European standard	EN60601

Software

Operatring system Microsoft Windows ®	Windows 10, 8.1 (32 or 64 bit), English and German version supported
Data acquisition and analysis software	
Multi Channel Experimenter	Version 2.17.6 and higher
Multi Channel Analyzer	Version 2.17.6 and higher
MC_Rack	Version 4.6.2 and higher
Data export software	
Multi Channel DataManager	Version 1.13.3 and higher, HDF5 (Madlab, Python, NEX (NeuroExplorer), CED (Spike), ASCII
MC_DataTool	Version 2.6.15 and higher Axion binary file, ASCII, binary file

* Important: In MC_Rack software the scaling of the analog channels is not correct for a factor of 2, because the gain of the analog channels is not considered.

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