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 (Pin 6 is missing by default)
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
Input impedance for analog channels	19 kOhm

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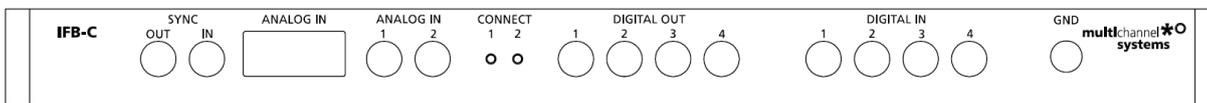
Front Panel
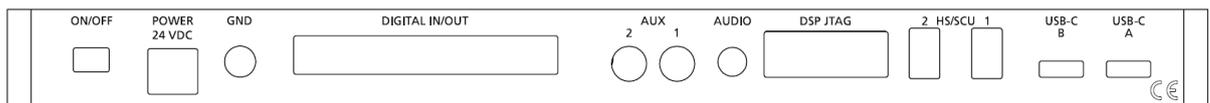
Rear Panel

Power Supply Unit (MPU 30)

Input voltage	100 - 240 VAC
Output voltage	24 VDC
Fequency	50 - 60 Hz
Max. power	60 W
Mark of conformity	CE
European standard	EN61010-1

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