

MFC-151

Multi Functional Converter

MFC-151 is a multifunctional converter, multiplexer and multiplier for processing NMEA-0183 sentences in RS-422, RS-485, Ethernet and USB standards. MFC-151 can be configured by the user with the unique Graphical User Interface utility.



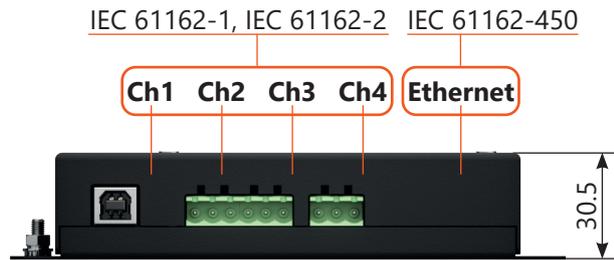
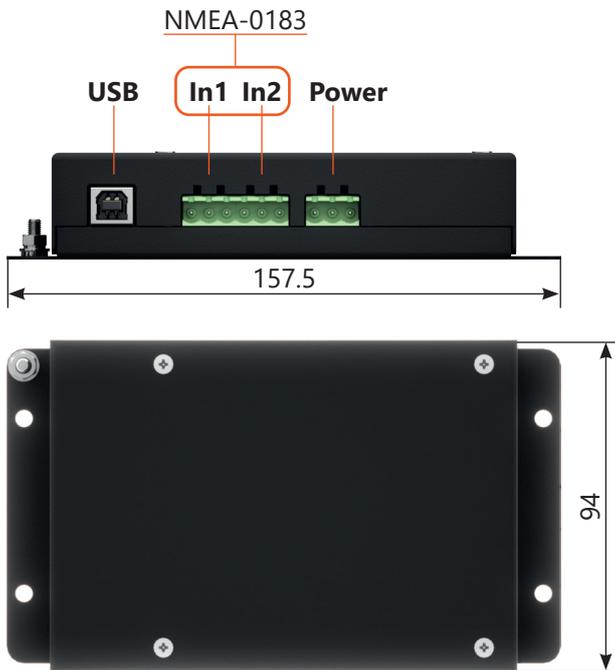
Characteristics

Inputs	2 x RS-422
Configurable inputs / outputs	4 x RS-422/485, 1 x Ethernet, 1 x USB
Data transfer rate	4800 to 115200 bps
Input voltage	9,5 to 36,0 VDC
Power consumption	less than 7 W
Power supply	9.5...36.0 VDC
Weight	0.46 kg
Dimensions (LxWxH)	157.5 mm x 94.0 mm x 30.5 mm
Mounting	panel-mounted
Protection class	IP22
Operating temperature	-15 °C to +55 °C
1 kV galvanic isolation from the mains supply	
Overvoltage and reverse polarity protection	



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Principle of operation

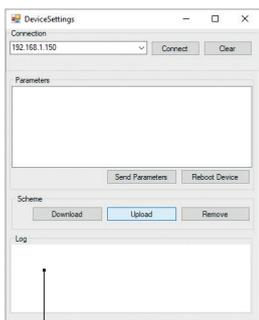


MFC-151 processes data received from several inputs. Data processing is defined by the scheme created by the user using the unique MFC Studio utility.

Examples:

- Multiport 1 to 6 inputs Serial over Ethernet interface
- Multiplier & ETH 2 inputs → 4 outputs with input priority encoding & Ethernet
- Multiplexer → ETH 1 to 6 inputs to Ethernet
- Custom converter baud rate, filter, frequency converter, with Ethernet
- Multifunctional converter combination of above

MFC Studio



1. Select necessary elements:

- inputs
- outputs
- filters
- processors
- multiplexers

2. Drag elements to scheme layout and interconnect them

3. Set the properties for each item

4. Save the scheme and upload it to the converter

