

specification



medusa
multi-device controller





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1 Medusa: multitasking made easy

The Medusa smart device controller platform is designed to operate multiple Admesy devices. It allows our customers to control up to 16 multiple units at once vastly increasing measurement options. All Admesy products are supported and can be used together with the Medusa controller series.

Connected devices can be divided into groups and controlled via their unique device ID which allows for both single device measurements and multiple device measurements. Besides these benefits the Medusa is particularly interesting for use in difficult environments such as vacuum chambers where a reduced number of outgoing connections is desired.



2 Highlights

- Simultaneous measurement up to 4, 8, 12 or 16 devices
- USB ports 500mA compliant as required by USB specifications
- Trigger in- & out connectors
- Combine different types of measurement in an instance
- Build in operating system taking care of handling all device actions



3 Medusa general specifications

System input information (device connector side)	
USB 2.0	USBTMC compliant, SCPI command set, high speed device 4, 8, 12 or 16 USB devices
Trigger in- & out	5V compliant

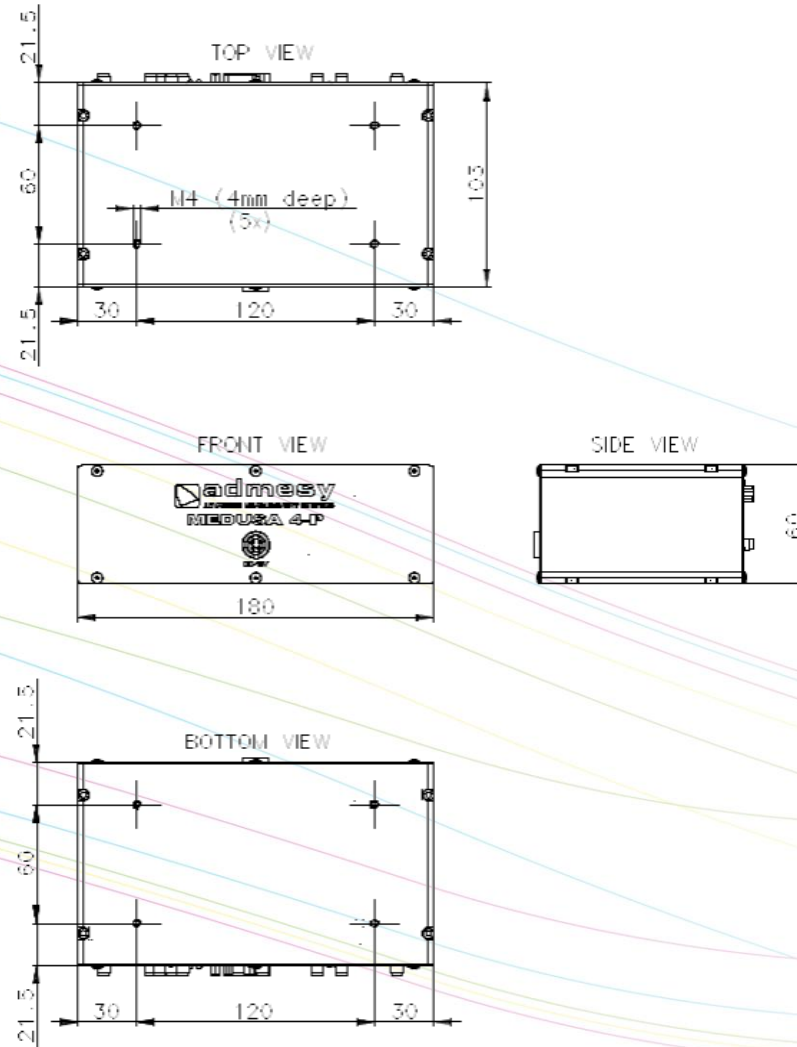
System output information (controller / output side)	
USB 2.0	USBTMC compliant, SCPI command set, high speed host
Ethernet	Same command set as USB
RS232	Same command set as USB
Trigger in & out	5V compliant

Power ratings				
	Min voltage	Typical voltage	Max voltage	Max current
USB output power	4.75V	5.00V	5.25V	Max. 500mA per USB port
DC input power	11V	12V	13V	Max. 1200mA per each 4 port configuration

System information		
DC-MDS-4	Size 4 port (HxWxD)	60 x 180 x 103mm
DC-MDS-8	Size 8 port (HxWxD)	113.4 x 180 x 153mm
DC-MDS-12	Size 12 port (HxWxD)	140 x 180 x 153mm
DC-MDS-16	Size 16 port (HxWxD)	166.6 x 180 x 153mm

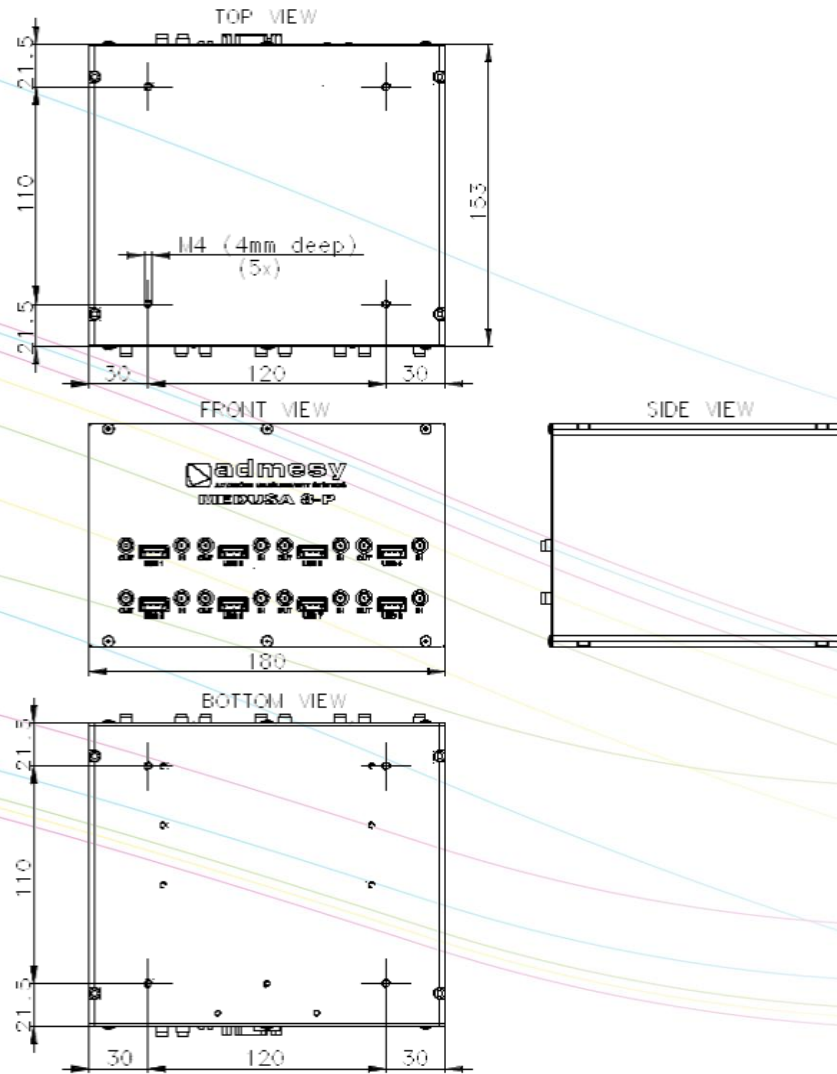


4 Medusa 4 port DC-MDS-4 dimensions



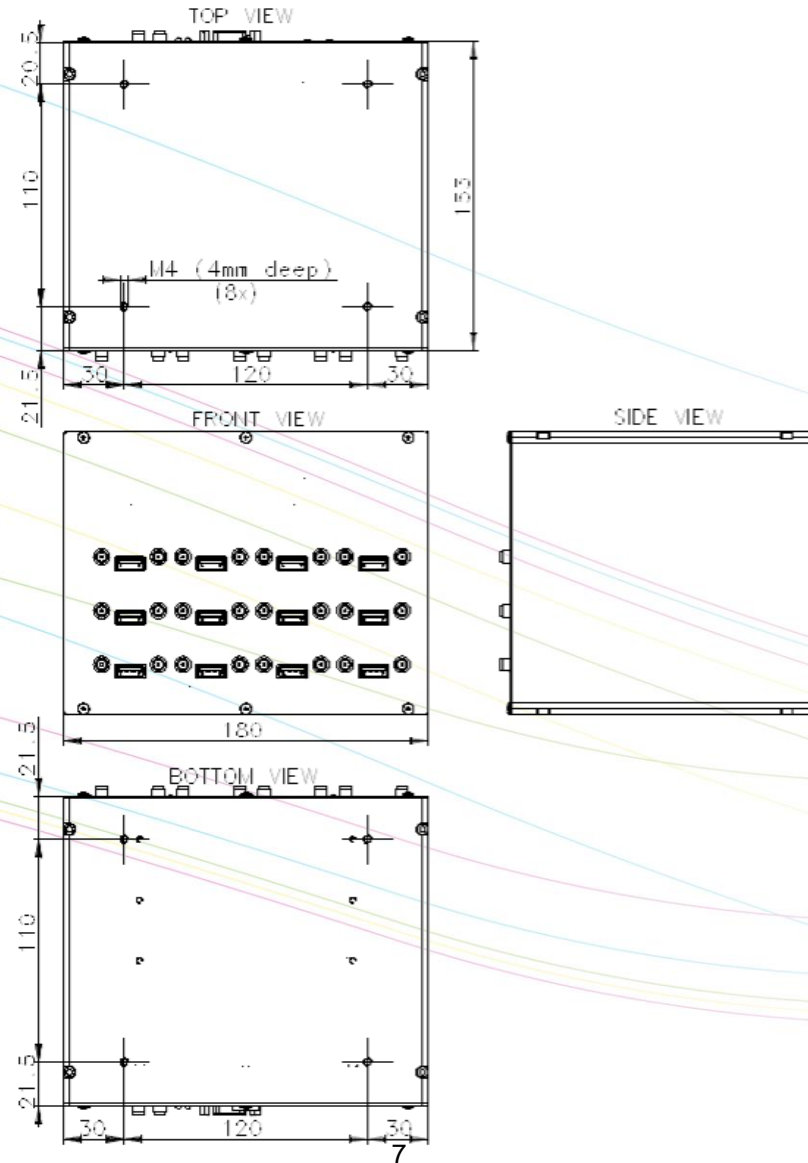


5 Medusa 8 port DC-MDS-8 dimensions



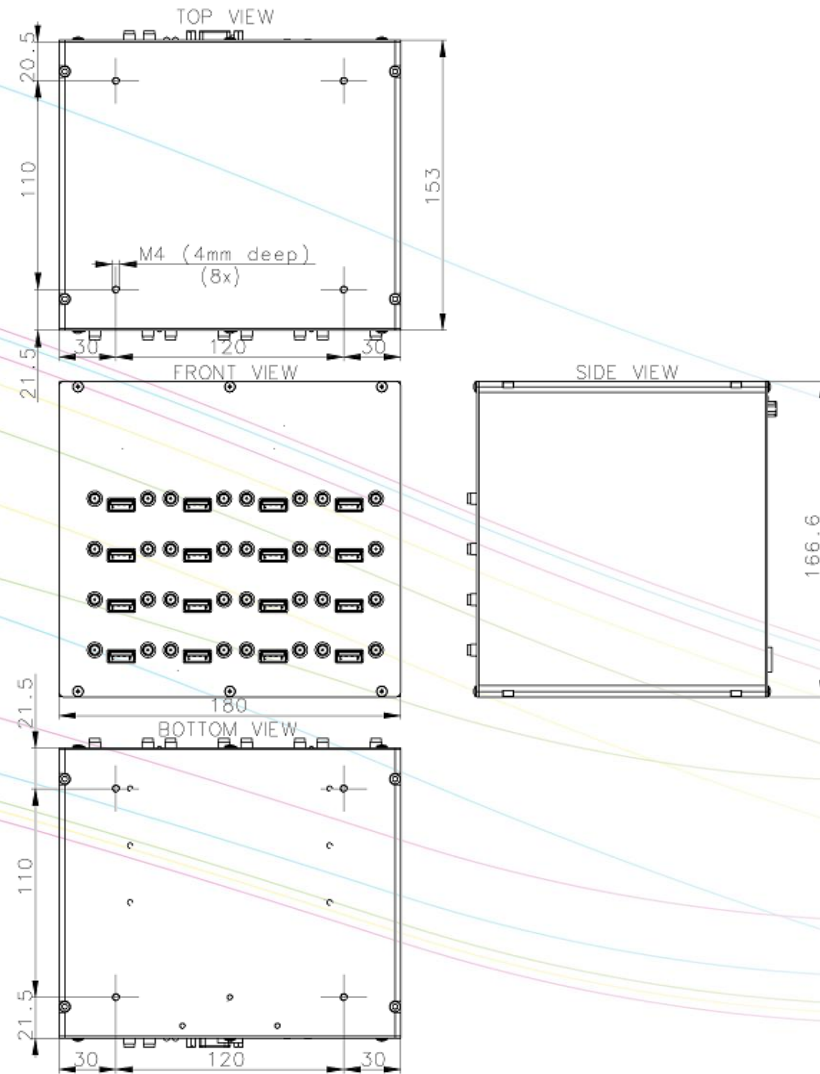


6 Medusa 12 port DC-MDS-12 dimensions





7 Medusa 16 port DC-MDS-16 dimensions





Admesy B.V.
Sleestraat 3
6014 CA Ittervoort
The Netherlands

T +31 (0)475 600 232
F +31 (0)475 600 316

www.admesy.com
info@admesy.com

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