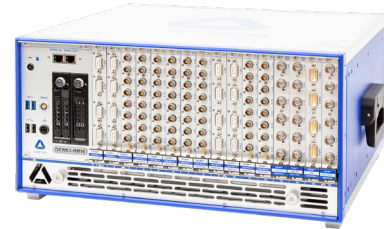


DEWE3-RMx-Frontend







Key facts

- ▶ Rack-mount or benchtop data acquisition frontend
- ▶ 4/8/12/16 slots for TRION3/TRION acquisition series modules
- ▶ Silent cooling, easy to maintain fan cartridge
- ▶ Gigabit connection to host PC
- ▶ Optional 10 GBit LAN interface
- ▶ Synchronization of several DEWE3-RMx frontends via TRION-SYNC-BUS



System specifications

	DEWE3-RM4-Frontend	DEWE3-RM8-Frontend	DEWE3-RM12-Frontend	DEWE3-RM16-Frontend
				
Slots for TRION(3) modules	4	8	12	16
Input specification	Supports all TRION/TRION3 (highspeed) series interface module except 3 rd party modules. ¹⁾ Optimized to operate with highspeed TRION3 series modules.			
Main system				
System bandwidth	90 MB/s with standard 1 GBit; max. 400 MB/s with 10 GBit option depending on host PC			
Power supply input	100 to 240 V _{AC} (max. 90 to 264 V _{AC}), 600 W AC power supply			
Power consumption incl. modules ²⁾	max. 260 W	max. 360 W	max. 460 W	max. 560 W
Noise emissions ³⁾	<ul style="list-style-type: none"> – System idle 47 dBA – CPU max. heat 47.7 dBA – Max. fan 60 dBA 			
Cooling capacity	25 W per module slot			
Dimensions (W x D x H)	Without feet and handles: 442 x 435 x 222 mm (5U) (17.4 x 17.1 x 8.7 in.)			
Weight w/o TRION modules	typ. 15.8 kg (34.8 lb.)			
Environmental specification				
Operating temperature	0 to +50 °C, down to -20 °C with prewarmed unit			
Storage temperature	-20 to +70 °C			
Humidity	10 to 80 % non cond., 5 to 95 % rel. humidity			
Max. altitude	2000 m (6561 ft)			

Tab. 1: System specifications DEWE3-RMx

DEWE3-RMx-Frontend

	DEWE3-RM4-Frontend	DEWE3-RM8-Frontend	DEWE3-RM12-Frontend	DEWE3-RM16-Frontend
Sine vibration (EN 60068-2-6)	Acceleration 20 m/s ² , Freq. 10 Hz - 150 Hz, Sweep 1 oct/min, 20 cycles			
Shock (EN 60028-2-27)	Acceleration 15 g, duration 11 ms, pulse form half sine, 3 pumps/direction, 6 directions			
Random vibration (EN 60721-3-2)	Class 2M3 (spectral acceleration density 3 m ² /s ³ , frequency range 10 Hz-200 Hz, duration 30 min/direction)			

Tab. 1: System specifications DEWE3-RMx

1) TRION3-1820-MULTI-AOUT and TRION3-AOUT depending on operating mode.

2) Depending on installed TRION/TRION3 series modules.

3) Tested with DEWE3-RM16 and 4 TRION(3)-18xx-MULTI modules in first segment. 1 m distance to system (front); remaining slots covered with cover panels.

Connection to host PC

The connection with the host PC is established by means of a LAN connection via the RJ-45 interface on the back of the device.



Fig. 2: Connection to host PC