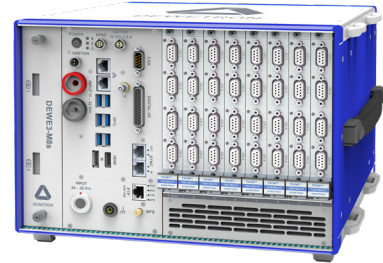


DEWE3-M8s



Key facts

- ▶ Designed for automotive application
- ▶ Compact and flexible configuration
- ▶ Powerful computer integrated for online data processing
- ▶ Battery support for stand-alone operation

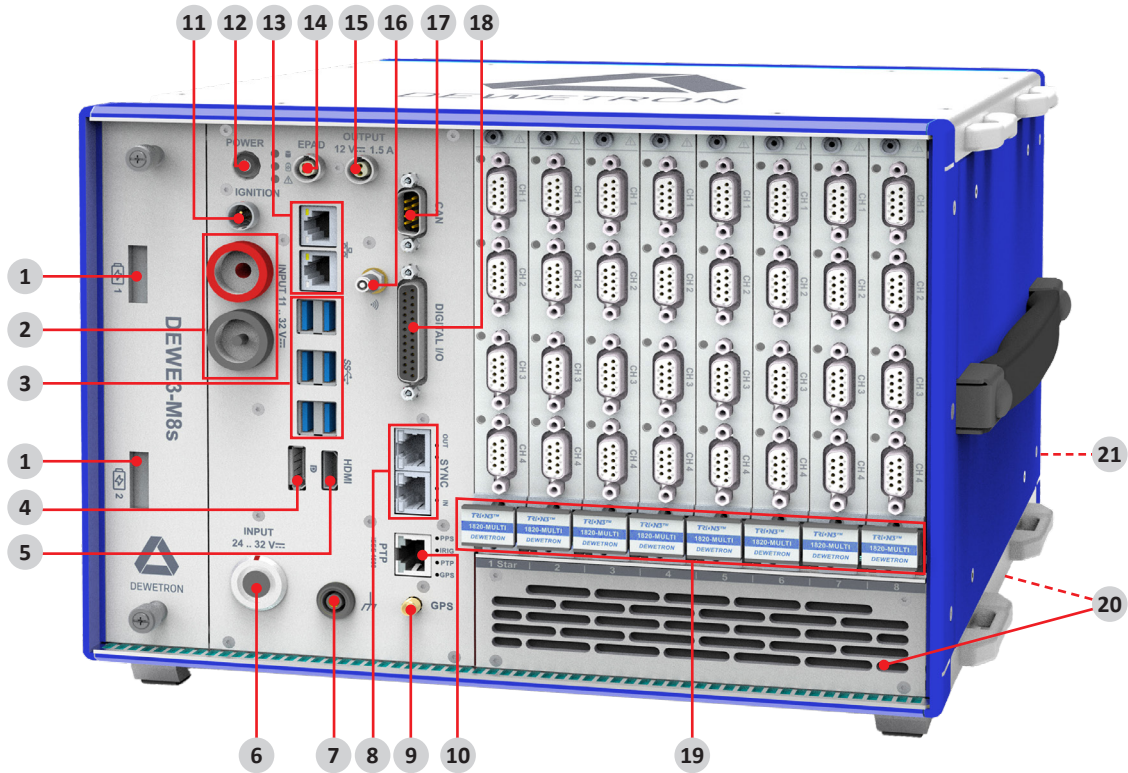


System specifications

DEWE3-M8s	
General	
Input channels	Up to 64 high-speed channels (100 S/s to 5 MS/s)
Input specification	Supports all TRION/TRION3 (high-speed) series interface modules. Optimized to operate with high-speed TRION3 series modules.
Open slots for TRION/TRION3 modules	8
High-speed channel expansion	Combine multiple DEWE3-M8s via OXYGEN-NET
Low-speed channel expansion (100 Hz)	XR modules
Data storage	3 removable drive bays equipped with <ul style="list-style-type: none"> – 1 TB SSD-PCIe (2 TB optional) – 512 GB SSD for operating system (1 TB optional)
Gapless storing rate	800 MB/s
Power supply	
Input	<ul style="list-style-type: none"> – Isolated power supply with wide range input from 11..32 V_{DC} (max. 10..36 V_{DC}) – UPS function with battery charger and 2 integrated battery bays (batteries optional) – 2 separate power inputs that can be used mutually as a backup power supply – External AC power supply included
Batteries (optional)	2x Lithium-ion 28.8 V/81 Wh
System	
Computer	Intel Core i7, 16 GB RAM
Connectivity	1x HDMI, 1x DisplayPort, 1x Gbit Ethernet, 1x 2.5 Gbit Ethernet, 6x USB 3.2, 1x Wi-Fi Antenna, 1x EPAD, 1x TRION-SYNC, 1x digital IN/OUT
Operating system	Windows 10, Linux is optional
Dimensions (w x d x h)	339 x 281 x 239 mm (13.3 x 11.1 x 9.4 in.)
Weight w/o TRION modules	Typ. 9.1 kg (20.06 lbs)
Environmental specifications	
Operating temperature	0 °C to +50 °C, down to -20 °C with pre-warmed unit
Storage temperature	-20 °C to +70 °C
Humidity	10 % to 80 %, non condensing; 5 % to 95 % rel. humidity

DEWE3-M8s

Connections and ports



- | | |
|--|---|
| 1. Battery status | 12. Power on/off button |
| 2. Power supply input 11..36 V (red +, black ground) | 13. Ethernet connector |
| 3. USB 3.2 interface connectors | 14. EPAD interface connector |
| 4. DisplayPort connector | 15. Power supply output for accessories (LEMO EGG.1B.302) |
| 5. HDMI connector | 16. Wi-fi antenna |
| 6. Power supply input connector 24..32 V | 17. CAN interface (D-SUB-9) (optional) ¹⁾ |
| 7. Chassis terminal (ground connection) | 18. Digital I/O interface (D-SUB-25) |
| 8. Sync I/O interface | 19. TRION(3) series module slots |
| 9. GPS antenna (optional) ¹⁾ | 20. Inlet air (on front and bottom) |
| 10. PTP/IEEE 1588 (optional) ¹⁾ | 21. Exhaust air (on backside) |
| 11. Ignition connector | |

1) The interfaces are available on every device, but are only functional if the corresponding option has been purchased.

DEWE3-M8s



Options and accessoires

Chassis controller options	
DEWE3-OPT-CAN	Optional CAN port on front plate
DEWE3-OPT-IRIG/PTP	Optional IRIG/PTP sync available on front plate
DEWE3-OPT-GPS	Optional GPS sync available on front plate including a GPS antenna

Upgrades	
OPT-LINUX	Linux Ubuntu option for DEWE3 systems
OPT-SECURE-BOOT	Windows secure boot option (DoD-ready) for a new DEWETRON system

Cables	
POW-CBL-KBT6ARN-OE-2	6 mm safety sockets with 10 mm ² cable, open end, length 2 m, needed if system is used with voltages below 24 V
POW-CBL-1B304F-B-2	Ignition control cable, FGJ.1B.304 to 2 male 4 mm banana plugs, length 2 m

Batteries and chargers	
BAT-28V-CHARGER-1	Desktop battery charger for 1 28.8 V battery, incl. external AC adaptor
BAT-28V-81WH	Lithium-ion battery, 28.8 V, 81 Wh, max. 12 A, weight 520 g
DW2-CLAMP-DC-POWER-8	External power supply box for up to 8 current transducers; input: 9..36 V _{DC} ; external 115/230 V _{AC} power supply included; current transducer connection: 8 Lemo sockets with ±15 V and +9 V power supply for current transducers; compatible to DEWE2/3 systems