

# 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

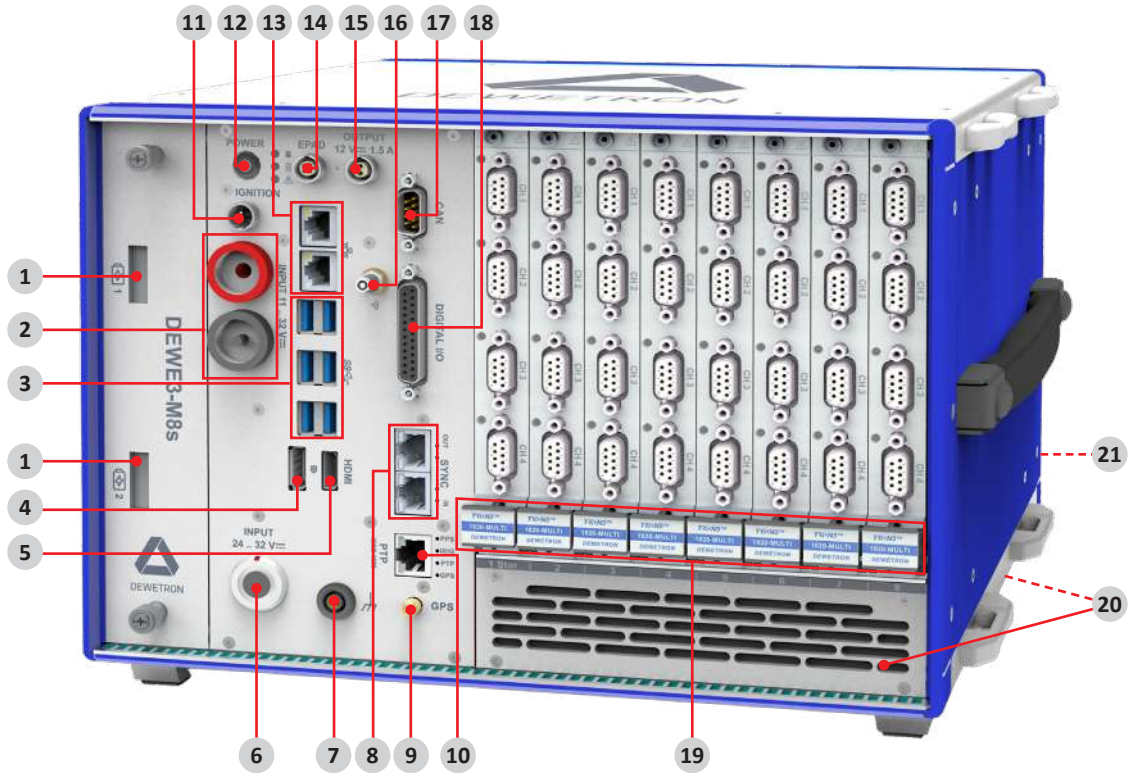


## System specifications

DEWE3-M8s	
<b>General</b>	
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"> <li>– 1 TB SSD-PCIe (2 TB optional)</li> <li>– 512 GB SSD for operating system (1 TB optional)</li> </ul>
Gapless storing rate	800 MB/s
<b>Power supply</b>	
Input	<ul style="list-style-type: none"> <li>– Isolated power supply with wide range input from 11..32 V<sub>DC</sub> (max. 10..36 V<sub>DC</sub>)</li> <li>– UPS function with battery charger and 2 integrated battery bays (batteries optional)</li> <li>– 2 separate power inputs that can be used mutually as a backup power supply</li> <li>– External AC power supply included</li> </ul>
Batteries (optional)	2x Lithium-ion 28.8 V/81 Wh
<b>System</b>	
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)
<b>Environmental specifications</b>	
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

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## 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) <sup>1)</sup>      |
| 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) <sup>1)</sup>              | 20. Inlet air (on front and bottom)                       |
| 10. PTP/IEEE 1588 (optional) <sup>1)</sup>           | 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.

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## 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 <sup>2</sup> 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 <sub>DC</sub> ; external 115/230 V <sub>AC</sub> 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