

# DEWE-5x-USB Series

- Prepared for up to 32 DAQ or PAD modules
- USB interface, easy to use, cable length up to 5 m
- 12-bit with 100 kS/s or 16-bit up to 500 kS/s (all multiplexed)
- Channel expansion possible with daisy-chain mode

### Recommended Usage:

- Data Recorder
- Power Network Analyzer

### Online Information:

[www.dewetron.info/dewe-50](http://www.dewetron.info/dewe-50)



DEWE-5x-USB Series: ADC Racks				
System specifications	DEWE-50-USB-8	DEWE-50-USB2-16	DEWE-50-USB2-16-NI	DEWE-51-USB2-32
A/D input channels	16	16	16	32
DAQ / PAD amplifier slots	8	16	16	-
8 BNC for channel 8 to 15 (single-ended input)	■	-	-	-
MDAQ amplifier input channels	-	-	-	up to 32
Sampling rate	100 kS/s aggregate	500 kS/s aggregate	1 MS/s aggregate	500 kS/s aggregate
A/D resolution standard	12-bit	16-bit	16-bit	16-bit
A/D resolution optional	16-bit	-	-	-
USB interface	■	■	■	■
Power supply	115 / 230 V <sub>AC</sub> , 50 / 60 Hz	115 / 230 V <sub>AC</sub> , 50 / 60 Hz	115 / 230 V <sub>AC</sub> , 50 / 60 Hz	115 / 230 V <sub>AC</sub> , 50 / 60 Hz
Supported operating systems	Microsoft® WINDOWS® 2000, Microsoft® WINDOWS® XP			
Dimensions (W x D x H)	247 x 200 x 140 mm 9.7 x 7.9 x 5.5 in.	435 x 245x 133 mm 17.1 x 9.6 x 5.2 in.	435 x 245x 133 mm 17.1 x 9.6 x 5.2 in.	435 x 245x 133 mm 17.1 x 9.6 x 5.2 in.
Weight	3.5 kg (8 lbs)	5.5 kg (12 lbs)	6 kg (13 lbs)	5.5 kg (12 lbs)
<b>Environmental specifications</b>				
Operating temperature	0 to +50 °C			
Storage temperature	-20 to +70 °C			
Humidity	10 to 80 % non cond., 5 to 95 % rel. humidity			
Vibration	MIL-STD 810F 514.5, procedure I			
Shock	MIL-STD 810F 516.5, procedure I			

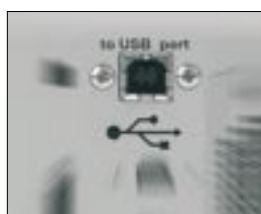
■ = standard

System Options				
Option	Description	DEWE-50-USB-8	DEWE-50-USB2-16-xx	DEWE-51-USB2-32
50-HANDLE	Carrying handle for DEWE-50 series, mounted on the side of the unit	opt.	opt.	opt.
50-USB-16BIT	Upgrade to 16-bit resolution A/D converter, 100 kS/s	opt.	-	-
50-xx-DC	DC power supply 9 to 36 V, replaces 115 / 230 V <sub>AC</sub> power supply	opt.	opt.	opt.
50-16-DC-UPS	DC power supply 10 to 32 V with internal UPS battery and external AC adaptor, replaces 115 / 230 V <sub>AC</sub> power supply	-	opt.	opt.
50-DC-POW	External 115 or 230 V <sub>AC</sub> power supply	opt.	opt.	opt.
50-16-OUT-5	16 BNC connectors on back panel, ±5 V output of DAQx-modules	-	opt.	-
50-16-OUT-10	16 BNC connectors on back panel, ±10 V output of DAQx-modules	-	opt.	-
50-USB2-DIO-PANEL-1	Installation of 5x 9-pin DSUB for up to 5 counters / encoders and 1x 37-pin DSUB for up to 16 digital inputs, incl. mating connectors	-	opt.	opt.
50-USB2-SYNC	Synchronize two 50-USB2-16 systems <sup>1)</sup>	-	opt.	-
50-16-MK	19" rack-mount-kit, 3 U	-	opt.	opt.

<sup>1)</sup> DEWE-50-USB2-16-NI does not support synchronization



DEWE-50-USB with connected notebook



USB interface with hot plug-and-play capabilities



DEWE-50-DC option for DC power supply



16 BNCs on the rear for conditioned signal output



RS-485 interface and synchronization connector

DEWE-5x-USB Series

ADC RACKS

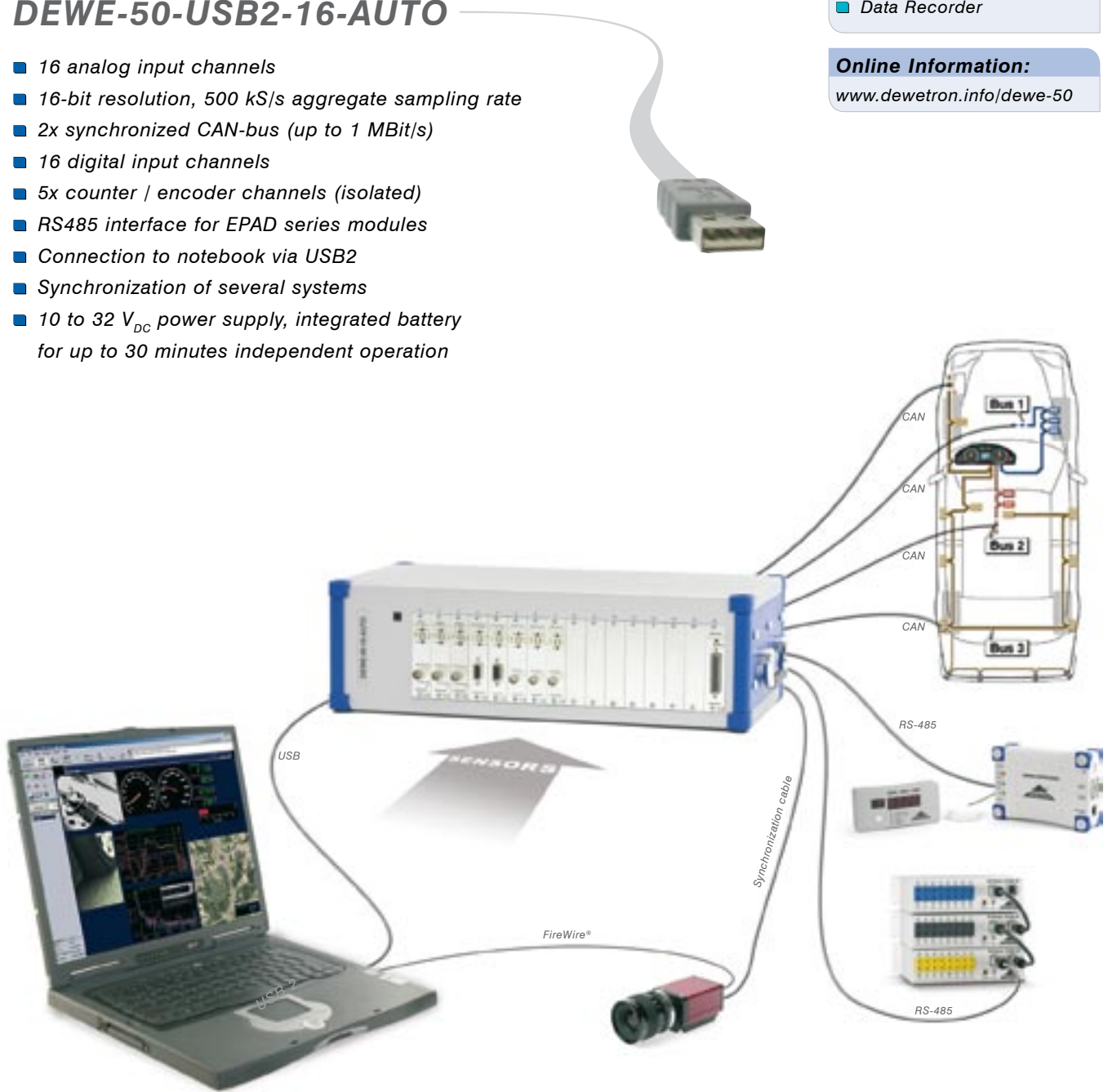


# DEWE-50-USB2-16-AUTO

- 16 analog input channels
- 16-bit resolution, 500 kS/s aggregate sampling rate
- 2x synchronized CAN-bus (up to 1 MBit/s)
- 16 digital input channels
- 5x counter / encoder channels (isolated)
- RS485 interface for EPAD series modules
- Connection to notebook via USB2
- Synchronization of several systems
- 10 to 32 V<sub>DC</sub> power supply, integrated battery for up to 30 minutes independent operation

**Recommended Usage:**  
■ Data Recorder

**Online Information:**  
[www.dewetron.info/dewe-50](http://www.dewetron.info/dewe-50)



RS-232/485 programming and EPAD series interface

50-USB2-DIO-PANEL-1 offers 5 counter / encoder and 16 digital inputs

2-port CAN bus interface up to 1 MBit/s

USB 2.0 interface and access to fan filter

10 to 32 V<sub>DC</sub> power supply



Carrying handle



DEWE-50-USB2 in rough environment