

Automotive  
 Energy & Power Analysis  
 Field service  
 Environmental  
 Research & Development



## Industrial PCs

DEWETRON industrial PCs are based on unique platform with a lot of advantages. The rugged aluminium chassis allows uses under harshest environments.

You can install up to five full-size PCI cards in it. USB connectors, Ethernet and DVD +/-RW drives are standard on these systems. You can even add a removable HDD drive or card readers.

The systems are designed for both laboratory and field usage. High quality production of the system is complemented by a very attractive price.

### Key Features:

- Latest PC technology
- Runs any Windows® software
- For the most demanding applications in aerospace and industrial computing
- COTS / open architecture computer platform - easy to upgrade
- Available removable HDD upgrades
- Standard 10/100/1000 Ethernet, USB 2.0, FireWire®
- WIN XP Professional installed and configured
- 100 % burn-in tested

### Online Information:

[www.dewetron.info/ipc](http://www.dewetron.info/ipc)

*...the precision signal conditioning company*

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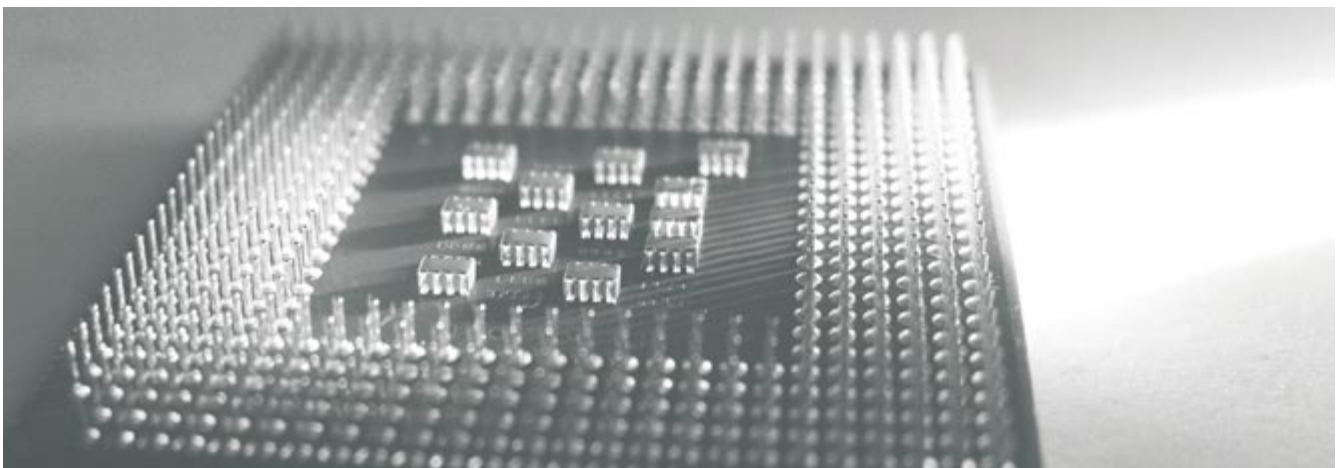
# Overview



	DEWE-5008	DEWE-4018	DEWE-3028	DEWE-2018	DEWE-2000-MAX
<b>Available PC slots</b>					
PCI full length	4	5	2	up to 5	6
PCI half length	1	-	1 (very small cards only)	1	1
ISA	-	-	-	up to 3	1
<b>Main system <sup>1)</sup></b>					
CPU board	ATX	ATX	SBC	SBC	SBC
Processor	Intel® Core™2 Duo 2 GHz		Intel® Pentium® M 1.8 GHz	Intel® Core™2 Duo 2 GHz	
1 GB RAM	■	■	■	■	■
250 GB Hard disk	■	■	■	■	■
DVD ±R/W burner	■	■	■	■	■
Display	17" TFT (1280 x 1024)	19" TFT (1280 x 1024)	15" TFT (1024 x 768)	15" TFT (1024 x 768)	15" TFT (1024 x 768)
USB 2.0 interface	4	4	2	4	4
FireWire® interface	opt.	opt.	opt.	opt.	opt.
RS-232 interface	■	■	■	■	■
LPT printer interface	■	■	-	-	-
10/100/1000 BaseT Ethernet	■	■	■	■	■
WINDOWS® XP Prof.	■	■	■	■	■
Power supply	90 to 260 V <sub>AC</sub>	90 to 260 V <sub>AC</sub>	90 to 260 V <sub>AC</sub>	90 to 260 V <sub>AC</sub>	90 to 260 V <sub>AC</sub>
<b>Dimensions</b>					
Dimensions (W x D x H)	460 x 351 x 200 mm (18.1 x 13.8 x 7.9 in.)	440 x 221 x 398 mm (17.3 x 8.7 x 15.7 in.)	380 x 295 x 155 mm (15 x 11.6 x 6.1 in.)	410 x 230 x 290 mm (16.1 x 9.1 x 11.4 in.)	410 x 230 x 290 mm (16.1 x 9.1 x 11.4 in.)
Weight	typ. 15 kg (33 lb.)	typ. 16 kg (35.2 lb.)	typ. 7 kg (15.4 lb.)	typ. 10 kg (22 lb.)	typ. 10 kg (22 lb.)
<b>Environmental specifications</b>					
Operating temperature	0 to +50 °C				
Storage temperature	-20 to +60 °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				

<sup>1)</sup> Please find current specifications in the latest price list.

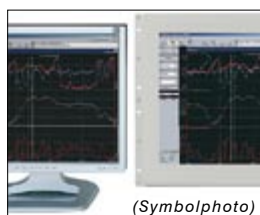
■ = standard



## Options



**BAY-5.25**  
Prepared for a removeable HDD



**DEWE-TFT19-DT and DEWE-TFT19-RM**  
19" TFT display



**DEWE-808 rear view**  
You can install up to five full-size PCI cards



**Front side filter pad accessibility!** Especially convenient in 19" applications



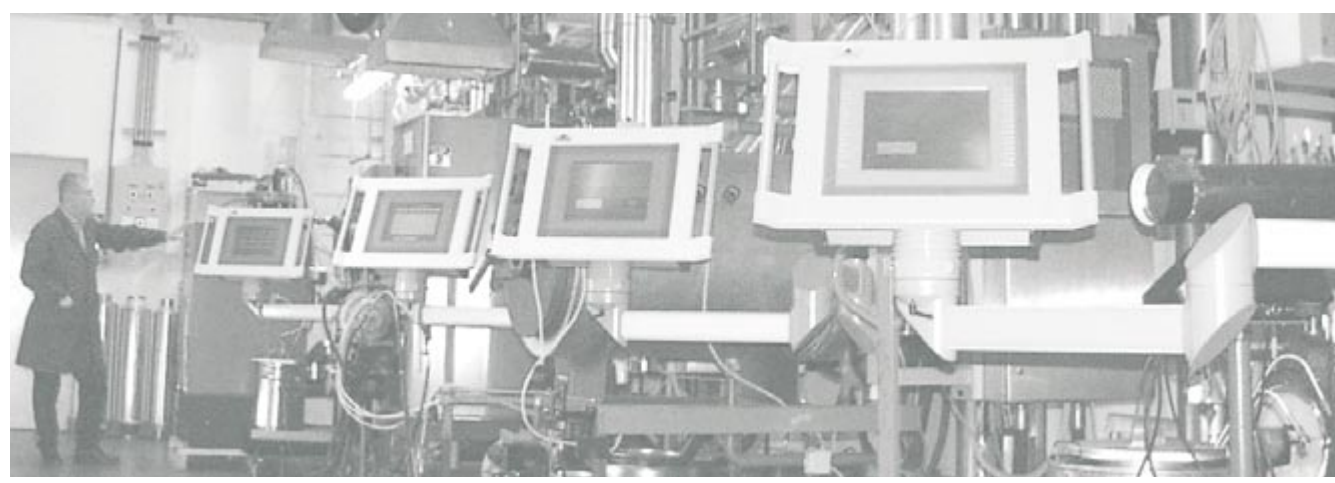
**Windows® XP® operating system installed**



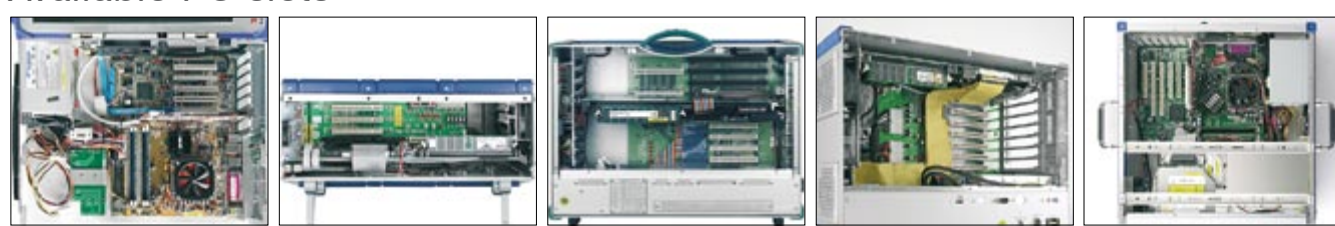
	DEWE-2528	DEWE-808	DEWE-818	DEWE-3200	DEWE-3108
<b>Available PC slots</b>					
PCI full length	5	5	-	-	1
PCI half length	1	-	5	3	-
ISA	-	-	-	-	-
<b>Main system <sup>1)</sup></b>					
CPU board	SBC	ATX	ATX	Mini-ITX	Mini-ITX
Processor	Intel® Core™ Duo 2 GHz				
1 GB RAM	■	■	■	■	■
250 GB Hard disk	■	■	■	100 GB	100 GB
DVD ±R/W burner	■	■	■	■	■
Display	15" TFT (1024 x 768)	external (option)	external (option)	15" TFT (1024 x 768)	15" TFT (1024 x 768)
USB 2.0 interface	4	4	4	4	4
FireWire® interface	opt.	opt.	opt.	■	■
RS-232 interface	■	■	■	■	■
LPT printer interface	-	■	■	-	-
10/100/1000 BaseT Ethernet	■	■	■	■	■
WINDOWS® 2000 Prof.	■	■	■	■	■
Power supply	Battery powered <sup>2)</sup>	90 to 260 V <sub>AC</sub>	90 to 260 V <sub>AC</sub>	Battery powered <sup>2)</sup>	Battery powered <sup>2)</sup>
<b>Dimensions</b>					
Dimensions (W x D x H)	409 x 216 x 291 mm (16.1 x 8.5 x 11.5 in.)	437 x 443 x 177 mm (17.2 x 17.4 x 7 in.)	437 x 304 x 177 mm (17.2 x 12.0 x 7 in.)	425 x 340 x 180 mm (16.7 x 13.4 x 7.1 in.)	381 x 279.4 x 89 mm (15 x 11 x 3.5 in.)
Weight	typ. 11 kg (24.2 lb.)	typ. 10 kg (22 lb.)	typ. 9 kg (20 lb.)	typ. 11.5 kg (25.3 lb.)	typ. 5 kg (11 lb.)
<b>Environmental specifications</b>					
Operating temperature	0 to +50 °C				
Storage temperature	-20 to +60 °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				

<sup>1)</sup> Please find the current specifications in the latest price list.

<sup>2)</sup> External 100 to 240 V<sub>AC</sub> power supply included. External 9 to 36 V<sub>DC</sub> power supply optional. Reduced operating temp. during battery charge ■ = standard



### Available PC slots



**DEWE-5008**  
4 slots full length and 1 slot half length

**DEWE-3028**  
2 slots full length and 1 slot for very small cards

**DEWE-2000-MAX**  
6 slots full length and 1 slot half length and 1 ISA

**DEWE-2528**  
5 slots full length and 1 slot half length

**DEWE-808**  
5 slots full length

## DEWE-3108

- Unique "Industrial Revolution" notebook
- A real full size PCI slot inside!
- Hot-swappable batteries for hours of use without power
- Swap in fresh batteries to keep it running forever without external power
- Very bright touchscreen display is standard
- Keyboard can be detached for easy operation
- Available solid state HDD for high shock & vibrate work, or with removable HDD for classified work



### Recommended Usage:

- In-vehicle computing
- In-aircraft computing
- Shipboard computing
- Military applications
- Factory automation
- Off-shore oil rigs
- Field uses of all kinds

### Online Information:

[www.dewetron.info/dewe-3108](http://www.dewetron.info/dewe-3108)

## Only from DEWETRON...

Who else would dare to reinvent the notebook computer? The DEWE-3108 is like no other in the world. For the first time in a single, ruggedized notebook comes a full size PCI slot. The standard configuration is PCI, but PCI-Express is also available as an option.

Also unique is our SideHAND™ power system, available only from DEWETRON. The two high output lithium ion batteries can be hot-swapped while the system is running from them, so you can keep the system running indefinitely without external power connected.

An external charger is available (see Neutrino-4 power option) which can charge up to four batteries at once ... faster than you can use them.

We tried to think of other things that you've been asking for - like a notebook computer rugged enough to be called a DEWETRON, and with an upgradeable CPU board inside. Not a proprietary notebook type, but an industry standard miniITX board which can be upgraded years from now, when even the CoreDuo® processor is not the state of the art any more.

Options like WLAN, RAID, and PCI-Express slot are available, and the screen is already a resistive touchscreen.

Ideal for applications on land, sea, and air - from the flightline to the factory floor; from our desk to an oil rig in the Gulf of Mexico or the North Sea ... Imagine what you could do with the DEWE-3108!

## Applications



DEWE-3108: compact unit



Full access to PCI board and PC connectors



DVD +/- RW, memory card slots and battery cover



Hot swappable battery exchange



Neutrino-4: charge batteries independent from DEWE-3108