



Mobile computer system dxPC

dxPC is a mobile Windows-based PC designed for the demanding environment of heavy vehicles.

The computer consists of a 12 inch colour touch screen, a robust computer unit encapsulated in a strong aluminium cover, and an environment adapted keyboard with a trackball.

Screen and computer can be mounted as a single unit with the computer fixed on the back of the screen.

The screen and computer can also be mounted individually, up to three metres from each other, thus facilitating fitting in various cabs and environments.

dxPC has three CAN bus connections and is prepared for connection to dasa4 and dasa5 control and communications systems. dxPC can also be used as a stand-alone computer, or be integrated into other systems.



dxPC version 3.x

General data

- Supply voltage 10 – 30 V DC
NOTE. Voltage in excess of 30 V could destroy the computer electronics
- Current consumption (24 V)
 - At rest 25 mA
 - In operation 800 – 1500 mA
- Ambient temperature
 - In operation -20° – +60°C
 - In storage -30° – +80°C
- Humidity 5 - 90 % Non-condensation
- Vibration/Shock 1.5 / 5G
- Weight 2.8 kg
- Case Black plastic and extruded aluminium.



Screen

- Size 12.1 inch
- Size (width/height/depth) 310 x 245 x 38 mm
- Resolution 800 x 600 SVGA
- Number of colours 262 000
- Brightness 500 Cd/m²
- Contrast ratio 500:1
- Touch screen 4 wire resistive



Keyboard

- Size 292 x 142 x 30 mm
- Keys Standard size (19.05 x 19.05 mm). 86 keys (PC function as 104, 105 and 106 keyboard).
- Connection USB contact connected to the dxPC unit.
- Languages Swedish or English

The keyboard is equipped with a dirt-resistant control ball.

Other functions

- Screen and computer can be mounted together or individually (maximum three metres apart).
- Automatic adjustment of screen brightness.
- Internal USB backup memory accessible behind side plate.
- Internal USB hardware lock accessible behind side plate.
- Built-in system for controlled shut down off the computer.



Computer

- Operating system Windows XP SP3
- Processor Intel Atom D525 dual core 1.8 GHz
- Level 2 Cash 1 GB
- Memory 2 GB
- Hard disc 100 GB
- CAN bus 3
- Size (width x height x depth) 245 x 195 x 53 mm

Outputs

- Ethernet, one 10/100-Tp, RJ45
- Parallel, one 25 pin F
- Serial, two Bottom/Side with power supply 12 V/5 V, 25 pin F
- Serial, one Bottom, 9 pin F
- USB, six 2.0 type A High Power Bottom two/Side two/Internal two
- Combined, one 15 pin F
- Audio Mic, Line In, Line Out
- Power supply outputs 5 V, 0.5 A per output
- Special controls On/Off, Reset
- External video screen, one 15 pin HD F
CAN 1, 2, 3 15 pin M
- Maximum external power supply 10 W Total consumption of appliances

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CONTROL SYSTEMS
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