

Options and Versatility



The 8580 and 8590 Vehicle-mount computers from Psion Teklogix give you multiple options and complete versatility. Use these rugged Windows® XP Professional / Windows® XP Embedded computers to take your native Windows® XP client into the demanding warehouse environment.



ADVANTAGES

Easy Key Access

The 8580/8590 is available with either 4, 10 or 25 keys on the front of the computer at no extra cost. The ease of access to the keys allows easy use of robust software applications.

Enhanced Connectivity

Two serial RS232, Ethernet and two USB host ports allow connecting a large range of peripherals like bar code, RFID scanners or printers by using cost efficient standard connectors.

Environment Controller

A build-in environment controller with various functions for statistics, configurations and watchdog takes care that the unit runs always under the best conditions.

High Resolution Screen

The high XGA (1024 x 768) resolution of the 8590 allows running native clients of leading warehouse management applications without the need to adapt the user interface.

Latest Industrial Technologies and Standards

The Psion Teklogix 8580/8590 utilizes PCIe MiniCard for WLAN connections and a processor board corresponding to the new XTX standard (Intel® X915GM).

Large Selection of Accessories

Psion Teklogix offers a full range of peripherals and support for a complete solution.



8580/8590 Vehicle-Mount Computers

Specifications



8580/8590



PROCESSOR & MEMORY

- Intel 800 MHz Celeron M standard
- Intel 1 GHz Celeron M option
- 512MB SDRAM

OPERATING SYSTEM

- Microsoft Windows® XP Professional
- Microsoft Windows® XP Embedded

STORAGE OPTIONS

- CF Card 1, 2 or 4 GB
- 20 GB HDD (automotive)

DISPLAYS & TOUCH SCREEN

8580

- 4, 10 or 25 keys on front
- Resolution: SVGA 800x600
- Size: 10.4" diagonal
- 400 nits
- Resistive analogue touch screen

8590

- 4, 10 or 25 keys on front
- Resolution: XGA 1024x786
- Size: 12.1" diagonal
- 400 nits
- Resistive analogue touch screen

ENCLOSURE

8580

- Dimensions: 9" x 11" x 3.2" (229 mm x 280 mm x 83 mm)
- Weight: 8.8 lb (4.0 kg)

8590

- Dimensions: 10.3" x 12.6" x 3.9" (262 mm x 319 mm x 99 mm)
- Weight: 10.4 lb (4.7 kg)

INDICATORS

- Power On LED
- HDD
- Temperature warning

POWER SWITCH

- On/Off switch on the device
- Automatic switch off via software or ignition signal for a proper shut down

SOUND

- SoundBlaster 16 compatible on-board Sound Card

RADIO

- 2.4 GHz 802.11b/g PCIe MiniCard

EXPANSION

- 1 x Compact Flash Slot Type I or II (3.3V).
- 1 x PCIe MiniCard

INTERFACES

- 2 x full function UART (DB9). COM1 with either 0, 5 or 12V on pin 9 for external devices
- 2 x USB 2.0 host ports
- 1 x Ethernet 10/100 RJ45
- 1 x PS/2 Port (keyboard/mouse)

ENVIRONMENTAL

- Standard operating temperature range:

8580

-4°F to 122°F (-20°C to 50°C)

8590

14°F to 122°F (-10°C to 50°C)

- Optional freezer operating temperature range: -22°F to 122°F (-30°C to 50°C)

- Humidity (operating): 10% to 90% RH non-condensing at 104°F (40°C)

- IEC 60529 dust & water protection enclosure rating IP65

- Shock & vibration testing IEC 60721-3-5 - Class 5M2 (HDD version), Class 5M3 (CF card version)

- MIL-STD-810F

POWER SUPPLY & MANAGEMENT

- 24 - 48V power input range
- 12V power input
- 110/220V external power supply
- Power consumption: typically 30W, max 100W (freezer version)

OPTIONAL ACCESSORIES

- Vehicle mount/cradle
- Terminal emulation software (TekTerm)
- Antennas
- Keyboards
- Pre regulator
- RFID scanner
- Bar code scanner
- Printers

APPROVALS

- FCC Part 15 Subpart B, Class B, Emissions
- Industry Canada ICES-003 Class B
- EN 55022:1998, Class B Emissions
- EN 55024:1998 Immunity
- EN 60950-1, UL 60950-1, CSA 22.2 No. 60950-1, Safety
- ISO7637-1/2 Vehicle transients



Product is RoHS compliant

*Specifications are subject to change without notification.