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

- Multiple key options (4, 10 or 25 keys) allow complete customization to the specific application environment.
- The ergonomic location of the keys simplifies user interaction with robust software applications.

Enhanced Connectivity

- Multiple connectivity options including RS232, Ethernet and two USB 2.0 ports allow for connecting a wide range of peripherals including barcode and RFID scanners or printers.

Environment Controller

- A built-in environment controller monitors various parameters on the 8580/8590 to ensure optimal performance.

High Resolution Screen

- Run native warehouse management application clients without modification to the user interface with the high XGA resolution (1024 x 768) of the 8590.
- Improved screen visibility in all lighting conditions can be achieved by upgrading the 8590 display brightness to 800 nits.

Latest Industrial Technologies and Standards

- A standard PCIe MiniCard is used for WLAN connections. The processor board corresponds to the XTX standard.

Large Selection of Accessories

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

PSION TEKLOGIX
information in motion

8580/8590 Vehicle-Mount Computers

8580/8590

Specifications*

PROCESSOR & MEMORY
- Intel 800 MHz Celeron M standard
- Intel 1 GHz Celeron M option
- 512MB or 1GB RAM option

OPERATING SYSTEM
- Microsoft Windows® XP Professional
- Microsoft Windows® XP Embedded

STORAGE OPTIONS
- CF Card, 1,2, 4 or 8 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 display brightness
- Resistive analogue touch screen

8590
- 4, 10 or 25 keys on front
- Resolution: XGA 1024x786
- Size: 12.1" diagonal
- 450 nits display brightness
- 800 nits optional high bright display for usage in sunlight intensive applications (25 keys only)
- 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
- PCI card slot option
- Cardbus slot option

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 IP66/IP67
- 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

RoHS✓ **Product is RoHS compliant**

*Specifications are subject to change without notification.

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