8580 / 8590

Vehicle Mount Computing With A Big Brain

PSION TEKLOGIX

Picking. Packing. Stock replenishment. Shipping. Inventory tracking.

It's hard enough in a calm, controlled environment. The real world isn't always like that. Workplaces get cold, hard, damp, and dirty. Your workforce never stops. Your vehicle mount computers shouldn't either.

If you need full PC functionality with Windows® XP in a tough, user-friendly package, you need the 8580 / 8590 rugged, vehicle mount computer…
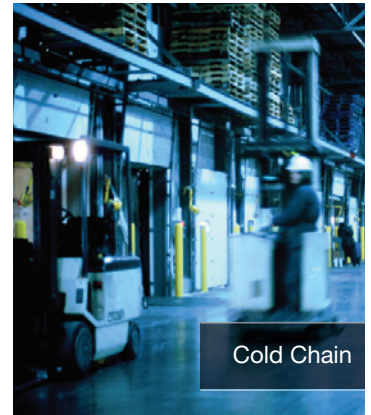
8580 / 8590

Full PC Power

RUGGED TO THE MAX

Most vehicle mount computers sacrifice brains for brawn. Not the 8580 and 8590.

These rugged vehicle mount computers run on Windows® XP Professional or XP Embedded. They give you full PC power where you need it most: on the front line. Which means you deliver intelligence where it's needed and capture data non-stop. All shift long.

Cold Chain

Ports

FEATURES & BENEFITS

Rugged to the max
The 8580 and 8590 aren't just powerful. They're rugged. Both operate with the freezer option at temperatures between -30° (-22 °F) to +60° (144 °F). Both boast tough-as-nails IP ratings – they come in at IP66 – so you can forget about dust or moisture stopping the shift.

And they both shrug off violent shock and vibration. So no more downtime. Or worker frustration. Just unchecked productivity.
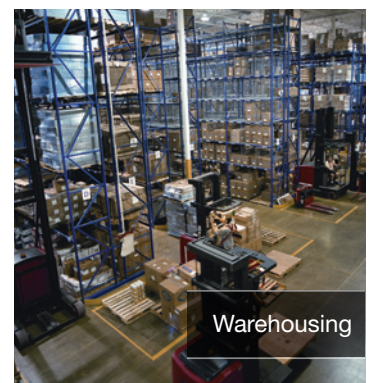
Natural Task Support™
The 8580 and 8590 give you options. Lots of them. Both can be operated via the touch screen, keyboard, or mouse.

And there are multiple key options (4 or 25) so you can customize according to your apps. Plus the ergonomic positioning of the keys is worker's dream. It's all part of our Natural Task Support™ philosophy – and it's changing the way mobile workers do their jobs.

Wireless wonders
The 8580 and 8590 integrate effortlessly with WLAN and rugged mobile devices. So your workers get real-time access to warehouse management tools. Which means data capture is as fast as it gets.

Manufacturing

Warehousing

8580 / 8590

Vehicle Mount Computing With A Big Brain

FEATURES & BENEFITS Continued

Unlimited Wired Connectivity
And if you want to hook up your peripherals, go for it. The 8580 and 8590 have two serial RS232, Ethernet and two USB host ports. So it's more than ready for your bar code scanners, printers and RFID readers.

Supersize me
The display screens on the 8580 and the 8590 take you aback. The 8580 has a large 10.4" SVGA display which you can read in all lighting conditions. Including direct sunlight.

The 8590 goes even bigger. It has a high-res 12.1" (1024 x 768) screen. And it lets leading warehouse management apps run without adapting the user interface.

Bottom Line
these are smart machines that are as tough as they have to be, but as user-friendly as they ought to be.

Outdoor Applications

Shipping

ACCESSORIES

Keyboards
86-key and 72-Key full PC style keyboards or a 24-key numeric keypad for all your data entry requirements.

Mounting Options
A wide range of solid, secure mounting options ensures a lasting fit for any application.

Power Accessories
Pre-regulator options for vehicles that deliver over 48 volts gives flexibility. And a UPS option enables the 8580 or 8590 to continue operating for a few minutes even after the main power source is disconnected.
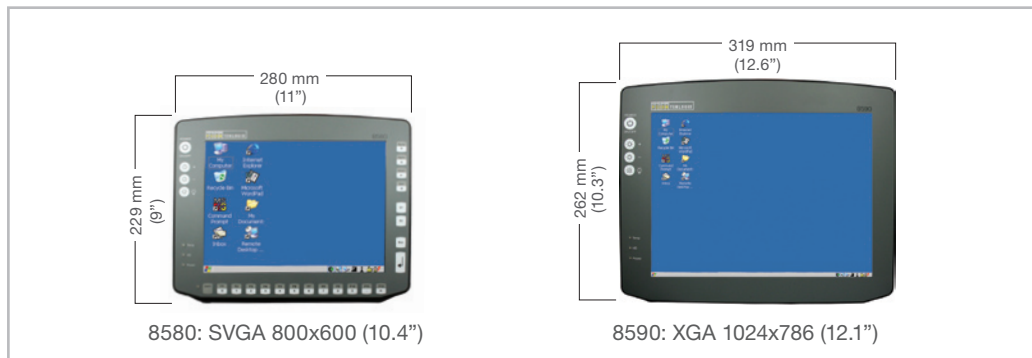

Container Yards

A complete list of accessories is available at www.psionteklogix.com

8580 / 8590

Specifications

280 mm (11") · **229 mm (9")**

8580: SVGA 800x600 (10.4")

319 mm (12.6") · **262 mm (10.3")**

8590: XGA 1024x786 (12.1")

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

PROCESSOR AND MEMORY
- Intel® 1 GHz Celeron® M
- 512MB or 1GB RAM option

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

STORAGE OPTIONS
- CF Card, 1,2, 4 or 8 GB
- 40 GB HDD (automotive)

DISPLAYS & TOUCH SCREEN
8580
- 4 or 25 keys on front
- Resolution: SVGA 800x600
- Size: 10.4" diagonal
- 400 nits display brightness

8590
- 4 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

SOUND
- SoundBlaster 16 compatible on-board Sound Card

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

RADIO
- 2.4 GHz 802.11a/b/g/n PCIe MiniCard

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

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 Temperature:
  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

EXPANSION
- 1 x Compact Flash Slot Type I or II (3.3V)
- 1 x PCIe MiniCard
- PCI card slot option
- Cardbus slot option

REGULATORY 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

A complete list of accessories is available at:
www.psionteklogix.com

RoHS

Product is ROHS Compliant.

* Note this product will carry the CE Mark.
* Specifications are subject to change without notice.

Powered by Windows® Embedded