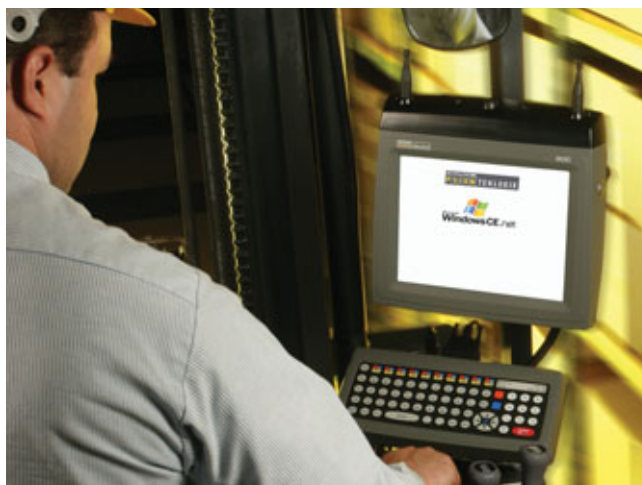**RFID READY**

Driving Versatility

The 8530 is a Windows CE .NET based vehicle-mount computer engineered to deliver maximum performance, ruggedness and integration, required for mobile data collection in the harshest mobile environments, in and out of the 'four-walls'. The user-friendly 8530 is designed to deliver **F**lexibility, **I**ntegration, **R**uggedness, **E**rgonomics (**FIRE**) day-in and day-out. Add to this, robust expansion and connectivity options, and it is easy to see why the 8530 is the only choice for use in rugged environments like warehouses, freezers, ports, yards and wide-area mobile applications. And, like the rest of Psion Teklogix' Next Generation Terminal platform products, the 8530 is based on industry standards to ensure it integrates easily with your existing or future infrastructure.

ADVANTAGES

• **Extreme Ruggedness:** The 8530 is designed to stand up to the harshest and most extreme environments and deliver the solution 'uptime' that users expect from Psion Teklogix devices. Rated at IP66, the 8530 is protected against dust and sprays of strong jets of water, all at temperatures as low as -4°F (-20°C)! The 8530 can also withstand substantial shock and vibration transferred from vehicles as they work in rugged indoor and outdoor applications.

• **Flexibility & Integration:** Class-leading flexibility and integration is achieved through the use of standards-based software and hardware components combined with robust expansion capabilities. Based on Windows CE .NET and Intel XScale architecture, the 8530 enables seamless application development and integration capabilities. Compact Flash, SD/MMC and Type III PC-Card along with external port options enable a variety of scanners, imagers, WLAN (802.11 and Narrowband), etc to combine to make the 8530 as flexible as the application requires even in intense and cold environments.

• **Ergonomic:** The 8530 has been developed to ensure maximum viewing angle and efficiency of use. The 8530 has a logical control layout and an extremely crisp, bright easy-to-read display.

PSION TEKLOGIX

information in motion

8530 Vehicle-Mount Computer

Specifications

PROCESSOR & MEMORY

- Intel XScale PXA 255 @ 400MHz
- 32KB instruction / 32KB data cache
- On-board RAM: 128 MByte SDRAM
- On-board ROM: 64 MByte FLASH

OPERATING SYSTEMS

- Windows CE .NET 4.2

PROGRAMMING ENVIRONMENT

- HTML, XML
- CE .NET SDK
- Java, Visual C++
- Standard Protocol APIs
  - Windows Sockets (WinCE)

WIRELESS COMMUNICATIONS

- IEEE 802.11b 11 Mbps 2.4GHz Compact Flash radio external and internal antenna
- IEEE 802.11b/g 54Mbps 2.4 GHz CF radio
- Standard antenna integrated onto radio card
- Next Gen Narrowband 400-500MHz radio - future
- Bluetooth SDIO radio (5m range)

APPLICATION SOFTWARE

- Internet Explorer 6 for CE
- Open TekTerm
- ANSI, TESS terminal emulations (IBM 3270, IBM 5250, HP 2392)

USER INTERFACE

- Color Display
  - 8530: SVGA 800x600 (10.4")
  - Transmissive TFT industrial for both indoor/sunlight readability
  - Embedded Memory Display contoller, resolution 16bpp.
  - CCFL Backlight, 350 cd/m^2 backlight with brightness control.
- Touchscreen
  - Passive stylus or finger operation
  - Rugged 5-wire technology
  - Enhanced anti-glare coating

- Keyboards
  - 3 integrated keyboard formats available
    - ABC   (10 F-keys)
    - Qwerty (10 F-keys)
    - Azerty (10 F-keys)
  - 68 key PC like format
  - Blue/Green EL backlight
  - Ergonomic
  - Dedicated function keys
  - Epoxy coated elastomeric
- Indicators & Controls
  - Internal 95 dBA beeper w/ volume control
  - 4 indicators RX/TX, API, SCAN, PWR/CHG

RFID APPLICATIONS - FUTURE

- Long range 900 MHz PC Card RFID reader/writer
- Tethered reader/writers
- Multi-protocol support

INTERNAL EXPANSION SLOTS

- One SD I/O (MultiMediaCard) slot
- One Type II Compact Flash
- Two Type II/one Type III PCMCIA slot
- Convenient access to slots via sealed end cap

EXTERNAL PORTS

- One Tether Port with:
  - One RS232 serial port (decoded scanner, printer)
  - Undecoded scanner port
  - USB host port
- One Port with:
  - DB9 plug RS232 (optional +5V 500MA on pin 9)
- One Port with: High density socket.
  - One RS232 serial communication port
  - 1 USB device port
  - 2 USB host ports
  - Speaker/Mic connection (future)

SIZE AND WEIGHT

- Size: 11 1/2" L x 10 3/4" W x 4 1/8" H (29.2cm L x 29.8cm W x 3.8cm H)
- Weight: approximately 9 lbs (4.1kg)
  - Includes integrated UPS, standard radio
- Keyboard Size 11 1/2" L x 5" W x 1 1/2" H (29.2cm L x 12.7cm W x 2.9cm H)
- Keyboard Weight 1.95 lbs (.9kg)

ENVIRONMENTAL

- Standard:
  - Operating temp: -4° F to 122° F (-20°C to 60°C)
  - Storage temp: -31° F to 140° F (-35°C to 70°C)
  - Humidity: 5 - 95% RH non-condensing
- Rain/Dust: IEC 529, classification IP66
- 3 axis Vibration: 1.5g RMS PSD (4 – 500 Hz)
- 3 axis Shock 30g 11 ms saw tooth

POWER MANAGEMENT

- Internal Power supply 10-90VDC designed for forklift power.
- Internal UPS (12.6V Li-Ion backup battery) for full terminal operation during power loss / brown out
- Built-in fast charger
- >1 week real-time clock backup

NETWORK MANAGEMENT - FUTURE

- SNMP MIB 2 support
- Remote software download
- Remote WLAN management

ACCESSORIES

- Multiple mounting options

APPROVALS:

- Safety: UL 60950-1 CAN/CSA-C22.2 NO. 60950-1 LVD EN 60950-1
- EMC: FCC Part 15 Class B
- Complies with European R & TTE Directive

* Note this product will carry the CE Mark.

* Specifications subject to change without notice.

www.psionteklogix.com