Psion Teklogix has hand-held computing down cold

The 7530 is a Windows CE .NET based hand-held computer engineered to deliver unparalleled performance, ruggedness and durability required for mobile data collection in the harshest mobile environments in and out of the 'four-walls'. The user-friendly 7530 is designed to deliver **F**lexibility, **I**ntegration, **R**uggedness, **E**rgonomics (**FIRE**) in **I**ntense and **C**old **E**nvironments (**ICE**) day-in and day-out. The features of FIRE and ICE put the 7530 in a class by itself. Add to this, robust expansion and connectivity options, and it is easy to see why the 7530 is the only choice for use in extremely rugged environments like freezers, ports, yards and wide-area mobile applications. And, like the rest of Psion Teklogix' Next Generation Terminal platform products, the 7530 is based on industry standards to ensure it integrates easily with your existing or future infrastructure.

ADVANTAGES

• **Extreme Ruggedness:** The 7530 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 IP67, the 7530 is protected against dust and temporary water immersion: all at temperatures as low as -30°C (-22°F)! The 7530 has a drop rating of 2m (6.5') to concrete.

• **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 7530 enables seamless application development and integration capabilities.

• **Ergonomic:** Looks can be deceiving; the 7530 is surprisingly light and well-balanced relative to the robust feature set of this extreme hand-held computer. The 1/4 VGA sunlight-readable touch screen display, and user-friendly backlit, hard-capped keypad, make using the 7530 comfortable for full-shift use even while wearing gloves.

PSION TEKLOGIX

information in motion

Specifications

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

OPERATING SYSTEMS
- Windows CE .NET

PROGRAMMING ENVIRONMENT
- HTML, XML
- CE .NET SDK
- Java, Visual C++
- Standard protocol APIs - Windows sockets (WinCE)

WIRELESS COMMUNICATIONS
- IEEE 802.11b 11Mbps 2.4 GHz Compact Flash radio
- IEEE 802.11g 54Mbps 2.4 GHz Compact Flash radio (future)
- IEEE 802.11a 54Mbps 5 GHz Cardbus radio (future)
- High performance internal antenna
- GSM/GPRS PC Card radio
- NextGen Narrowband 400-500 MHz PC Card radio
- Bluetooth SDIO radio 2.4 GHz (5m range)

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

USER INTERFACE
- Display
  - 320 × 240 (1/4 VGA) graphic colour TFT
  - 3.5'' diagonal portrait mode
  - 256K displayable colours
  - Contrast control & automatic backlight
  - Sunlight readable (for outdoor use)
- Keyboards
  - Two formats available:
    - 37 key large button (10 F-keys)
    - 63 key alpha (10 F-keys)
  - Illuminated with EL backlight
  - Ergonomic ambidextrous one-hand operation with dual Enter keys
  - Dedicated function keys
  - Hard-capped keys with improved tactile response
- Touchscreen
  - Passive stylus or finger operation
  - Signature capture
  - Integral stylus holder
  - Ultra rugged 5-wire technology
  - Sound
  - Voice Features - speaker and mic
  - Record/playback email attachments

- Indicators & Controls
  - Internal speaker & 95 dBA beeper w/ volume control, internal mic
  - LEDs for radio transmit/receive, scanning, battery status, user applications

BAR CODE APPLICATIONS
- Internal 1D & 2D scan engines: standard, wide angle, long and extra-long range, and fuzzy.
- Extended range logic internal scan engine
- Supports decoded & undecoded tethered scanners
- Internal 1.3 mg pixel CMOS image capture scan engine

RFID APPLICATIONS
- Internal combo laser scanner / RFID engine
  - Multi-protocol @ HF, LF
- Tethered reader/writer
  - Multi-protocol support @ 900MHz

INTERNAL EXPANSION SLOTS
- One SDIO (MultiMediaCard) slot
- One Type II Compact Flash slot
- One Type III Extended PC Card slot

EXTERNAL PORTS
- Tether Port with:
  - RS232 serial (decoded scanner, printer)
  - Undecoded scanner support
  - USB host
- Docking Station Port with:
  - RS232 serial with diagnostics
  - USB device support
  - USB host support
  - Power in/out

SIZE AND WEIGHT
- Size:
  100mmW × 85mmD × 270mmL
  77mmW × 43mmD @ keypad grip area
- Weight: 950g (34oz)
  - Includes std. battery, std. radio & std. internal scanner
  - Pistol grip add 125g (4.3oz)

ENVIRONMENTAL
- Standard operating temp: -10°C to +60°C (14°F to 140°F)
- Freezer temp: -30°C to +60°C (-22°F to 140°F)
- Storage temp: -40°C to +60°C (-40°F to 140°F)
- Humidity: 5-95% RH non-condensing
- Humidity for freezer temp: 5-96% RH condensing
- Rain/Dust: IEC 529, classification IP67
- Drop: 6 drops from 6.5' (2m) & 26 drops from 5' (1.5m). Total 32 drops to concrete
  Cradle shock: 30G in each axis
  Cradle vibration: 1.5G RMS PSD
  (4 - 500 Hz)

- Freezer option
  - Heated scan window to reduce fogging
  - Internal heat control to optimize low temperature performance and battery life
  - Triple Cell Lithium-Ion batteries for extended freezer operation

POWER MANAGEMENT
- Up to 12 hr usage Li-Ion standard battery (reduced in freezer applications)
- Optional extra life battery (up to 17 hrs) (reduced in freezer applications)
- Quick swap packs
- Advanced Smart Battery with gas gauge
- Runs off battery, wall adapter or cigarette lighter
- Built-in fast charger (2 hrs)
- System backup during battery swap (15 min)
- 1 week real-time clock backup

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

ACCESSORIES
- Battery
- 6-unit Gang charge
- Wall adapter
- Cigarette lighter adaptor
- Tether adapter cables
- Portable docking module
- Hand strap
- Shoulder strap
- Wrist strap
- Holster
- Belt clip
- Stylus
- Non-powered vehicle cradle
- Rubber Boot
- Combo docking station
- Touch screen protective cover
- Combo charger
- Cradle port replicator
- Vinyl carrying case
- Powered vehicle cradle
- Belt Loop
- User upgradeable pistol grip

APPROVALS:
- Safety: UL 1950, CSA C22.2 No950, LVD EN60950
- EMC: FCC Part 15 Class B, EMC Directive Class B
- Laser: IEC 60825-1 2001 Class 2 (EN60825-1)

* Note this product will carry the CE Mark.

Specifications subject to change without notice