RFID READY

The Benchmark in Hand-Held Computing

When clients talk, we listen. That's how we built the 7535. Engineered to meet the performance and durability requirements for data collection in the harshest of environments, yet ergonomically crafted with the user in mind, the 7535 delivers on all fronts. Psion Teklogix has set the benchmark by building (**F**)lexibility, (**I**)ntegration, (**R**)uggedness, and (**E**)rgonomics (**FIRE**) into one device. Now, we've set the benchmark again by adding WWAN capability to the 7535. Based on industry standards, and backwards compatible with the 7035, the 7535 is ideally suited to meet your mobile data collection and supply chain information needs, not only for today but also well into the future.

ADVANTAGES

Utmost in (F)lexibility
Use of flexible technologies ensures clients receive the right product for the right application.

- Multiple Scanner Options
- Multiple Radio Options and Available High Performance Internal Antenna that increases range by approximately 30%
- Multiple 1⁄4 VGA Display Options
- 5-Wire Touch Screen Display Option
- Multiple Keyboard Options

Ease of (I)ntegration
Standards based design delivers ease of integration into existing infrastructure.

- Windows CE.NET operating system
- Standards based expansion card slots
- Integration compatibility
- Standards based radio technologies

Exceptional (R)uggedness
Our rugged, IP65 computer delivers overall system uptime even in the harshest environments.

- Single Piece Molded Plastic Construction
- Backlight has Solid State Design
- Hard Cap Keys

Outstanding (E)rgonomics
Exceptional ergonomics ensure comfortable usage for a full shift.

- Scientifically Engineered with input from leading ergonomic consultants

PSION TEKLOGIX
information in motion

Specifications

7535 58-Key Front View

7535 36-Key Front View

7535 3/4 View

7535 Rear View

PROCESSOR AND MEMORY

- 400 MHz XScale PXA 255 Processor
- SDRAM: 128MB SDRAM
- Flash ROM: 64MB FLASH

OPERATING SYSTEM

- 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 11Mbps 2.4 GHz Compact Flash radio
- Standard internal antenna integrated onto radio card
- Optional internal antenna (high performance for mono, standard with color)
- Bluetooth SD I/O radio 2.4 GHz (up to 5m range)

GSM/GPRS RADIO

- Radio: Tri-Band (900/1800/1900 MHz)
- Supports: GPRS mode: Class B, multislot class 10. Downlink speed up to 57.6 Kbps, uplink speed up to 28.8 Kbps. GSM mode: Upload and download speeds up to 9.6 Kbps 20way SMS.
- SIM: non-user accessible SIM card
- Antenna: built in

APPLICATION SOFTWARE

- Internet Explorer for CE
- Open TekTerm
  ANSI
  TESS
    - IBM 3270, IBM 5250, HP 2392
- Word Pad

USER INTERFACE

- Display:
  ¼ VGA portrait mode
  Automatic backlight & contrast control
  Sunlight readable (for outdoor use)
- Monochrome (standard):
  8.9cm (3.5") 240 × 320 graphic transflective TFT
  Black-on-white with 64 greyshades
  Hi-reliability white LED backlight (1.5 ft-L)
- Color (optional):
  8.9cm (3.5") 240 × 320 graphic
  Transflective TFT
  256K displayable colors
  Hi-reliability white LED backlight (1.5 ft-L)
- Touchscreen options:
  Monochrome or color, with optional 4-wire touchscreen
  Available 5-Wire Touchscreen option for "high touch" applications - monochrome or color
  Passive stylus or finger operation
  Integral stylus holder
- Keyboards:
  2 ABCD formats available
  standard 58 key alpha (6 single push function keys, 30 addressable)
  optional 36 large key (10 single push function keys, 30 addressable)
  EL keypad backlight
  Ergonomic ambidextrous one-hand operation
  Hard-capped keys (rated at 1M+ cycles)
- Indicators & Controls:
  Internal 95 dBA beeper with volume control
  LEDs for radio transmit/receive, scanning, battery status, user applications

SIZE & WEIGHT

- 102mm (4") width × 62.5mm (2.5") depth × 244mm (9.6") length
- 75.5mm (3") width × 36mm (1.4") depth @ keypad area
- 650g (23oz) includes battery
- Pistol grip - add 125g (4.3oz)

ENVIRONMENTAL

- Mono operating temp -10°C to +50°C (14°F to 122°F)
- Color operating temp: -10°C to +50°C (14°F to 122°F)
- Storage temp: -25°C to +60°C (-13°F to 140°F)
- Humidity: 5% - 95% RH non-condensing
- Rain/Dust: IEC 529, classification IP65
- Drop Rating: All versions except 5-Wire Touchscreen: 1.5m (5') drop to polished concrete, 26 times.
  5-Wire Toushscreen: 1.5m (5') drop to concrete, multiple times
- Cradle shock: 30G in each axis
- Cradle vibration: 1.5G RMS PSD (4Hz-500Hz)

POWER MANAGEMENT

- 7.4V @ 1900mAh Li-ion rechargeable battery
- 10 hour battery operation (5 scans, transmit & receive/min)
- Smart Battery System Level 3 compliant
- Built-in gas gauge & performance monitor
- Quick swap battery packs
- Built-in fast charger (1.75 hour typical recharge)
- Self-guiding & latching battery pack design
- System backup (up to 20 minutes) during battery swap
- 1 week real-time clock backup

NETWORK MANAGEMENT

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

INTERNAL EXPANSION SLOTS

- One SD I/O (MultiMediaCard) slot with antenna cavity
- One Type II Compact Flash slot with antenna cavity

EXTERNAL PORTS

- Tether port (optional) with:
  one RS232 serial port (decoded scanner, printer)
  undecoded scanner port
  USB host port, power out
- Portable Docking Module:
  one RS232 serial port including diagnostics
  USB device port/USB host port, power in/out

PRIMARY OPTIONS

- Radios:
  802.11b, Bluetooth
  Optional high performance internal antenna for mono, standard with color
- Scanners:
  Internal 1D Laser Scanner, standard long range & advanced long-range
  Internal PDF 417 - standard range
  Internal standard range fuzzy logic
- Imagers:
  Internal 1D imager
  Internal 2D imager/scanner combo

RFID APPLICATIONS

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

APPROVALS

- Safety: UL 1950, CSA C22.2 No950, LVD EN60950
- EMC: FCC Part 15 Class B, EMC Directive Class B
- Laser: IEC 825-1 Class 2 (EN60825-1), 21CFR1040 Class II

ACCESSORIES

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

* specifications are subject to change without notice