The Benchmark in Hand-Held Computing

The 7535 G2 was engineered to meet the performance and durability requirements for data collection in some of the harshest environments. It has been ergonomically crafted with the user in mind in order to combine usability with performance. Psion Teklogix has set the benchmark by building (**F**)lexibility, (**I**)ntegration, (**R**)uggedness, and (**E**)rgonomics (**FIRE**) into one device. Based on industry standards, the 7535 G2 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
Flexible technology ensures the correct feature set for your application.

- Multiple Scanner Options
- Multiple Radio Options
- 1⁄4 VGA Display Options
- 5-Wire Touch Screen Display Option
- Multiple Keyboard Options
- On-board Bluetooth

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

- Windows CE 5.0 operating system
- Standards-based expansion card slots
- Integration compatibility
- Standards-based radio technologies

Exceptional (R)uggedness
Our rugged, IP65 computer delivers overall system uptime.

- Single Piece Molded Plastic Construction
- Display 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

7535 58-Key Front View

7535 36-Key Front View

7535 3/4 View

7535 Rear View

Specifications

PROCESSOR AND MEMORY
- 520 MHz XScale PXA 270 Processor
- On-board RAM: 128MB SDRAM
- On-board ROM: 64MB FLASH

OPERATING SYSTEM
- Windows CE 5.0

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

WIRELESS COMMUNICATIONS
- RA2040 Radio – 802.11b/g Compact Flash
  Baud rate, power output
  - 802.11b, 1, 2, 5.5, 11 Mbps, 32mW
  - 802.11g, 6, 9, 12, 18, 24, 36, 48, 54 Mbps, 20mW
  Security
  - WPA 1, 801.11i/WPA 2
  - Encryption – Dynamic WEP, AES
  - EAP Types - LEAP, PEAP MS-CHAP v2, PEAP GTC, EAP-FAST, TLS, TTLS.
- On-board Bluetooth radio 2.4 GHz (10m range)
- GSM Radio: Quad-Band EDGE (future) (850/900/1800/1900)

APPLICATION SOFTWARE
- Internet Explorer 6 for CE
  - Wordpad
  - Active Sync
- Open TekTerm
  - ANSI
  - TESS terminal emulations
    - IBM 3270, IBM 5250, HP 2392

USER INTERFACE
- Display:
  - ¼ VGA portrait mode
  - Automatic backlight & contrast control
  - Sunlight readable (for outdoor use)
  - Color 8.9cm (3.5") 240 × 320 graphic transflextive TFT
  - 256K displayable colors
  - Hi-reliability white LED backlight (1.5 ft-L)
- Monochrome: (Optional)
  - 8.9cm (3.5") 240 × 320 TFT
  - Black on white
- Touchscreen options:
  - Plastic 4-wire (1million touches)
  - Glass 5-wire (20 million touches)
  - 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 and Contols:
  - Internal 95 dBA beeper with volume control
  - Multicolor LEDs for radio transmit/receive, scanning battery status, user applications

INTERNAL BAR CODE SCANNERS
- 1D & 2D scan engines:
  - Standard
  - Long Range
  - Advanced Long Range
  - Enhanced Standard Range (Fuzzy Logic)
  - PDF417 Raster Laser
  - 1D Auto-Ranging
  - 1D Standard Imager
  - 2D Standard Imager
  - 2D Long Range Imager
  - 2D High Density Imager

RFID APPLICATIONS
- Tethered reader/writer
- Multi-protocol support @ 900 MHz / 868 MHz (future)

INTERNAL EXPANSION SLOTS
- One SD I/O (MultiMediaCard) slot
- One Type II Compact Flash slot

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

SIZE & WEIGHT
- Size: 260mm L × 102mm W × 62.5mm D (10.24" L × 4" W × 2.5" D)
- Keypad area: 75.5mm W × 36mm D (3" W × 1.4" D)
- Weight: With battery: 710g (22.83oz – Troy)
  Pistol grip – add: 95g (3.05oz - Troy)

ENVIRONMENTAL
- 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: 1.5m (5') 26 drops to polished concrete; 5-Wire Glass Touchscreen:1.5m (5') multiple drops to concrete
- Cradle shock: IEC 60068-2-27: Test Ea, 300 m/s^2, 11ms, half-sine, 3 shocks in each of 6 directions
- Cradle vibration: IEC 60068-2-64: Test Fh, Random, 3 axis; 5.0 m^2/s^3 ASD, 10-200 Hz; 1.0 m^2/s^3 ASD, 200 – 500 Hz

POWER MANAGEMENT
- 7.4V @ 1900mAh Li-ion rechargeable battery
- 8 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
- Adjustable battery allocation between system backup and runtime

NETWORK MANAGEMENT & SECURITY
- SNMP MIB 2 support
- Remote software download
- Remote WLAN management
- Enhanced security for 802.11

ACCESSORIES
- Battery
- Hand Strap
- Belt Clip
- Belt Loop
- Holster
- Touchscreen Protective Cover
- Vehicle Cradles
- Combo Docking Station
- 6-Unit Gang Charger
- Wall Adapter
- Pistol Grip
- Wrist Strap
- Fabric Carry Case
- Shoulder Strap
- Rubber Boot
- Stylus
- Cradle Port Replicator
- Chargers
- Portable Docking Module
- Tether Adapter Cables

For more information about our accessories, visit www.psionteklogix.com/accessories

APPROVALS
- RoHS compliant (EU Directive 2002/95/EC)
- Safety: UL 1950, CSA C22.2 No950, LVD EN60950
- EMC: FCC Part 15 Class B, EMC Directive Class B FCC Part 15.247 and IC RSS210
- Laser: IEC 825-1 Class 2 (EN60825-1), 21CFR1040 Class II

* Note this product will carry the CE Mark

* specifications are subject to change without notice