

# 8530 G2 Vehicle-Mount Computer



## Driving Versatility

The 8530 G2 is a Windows CE 5.0 based vehicle-mount computer engineered to deliver Flexibility, Integration, Ruggedness and Ergonomics (FIRE) required for mobile data collection in the harshest mobile environments. The 8530 G2 can also be configured to operate in Intense and Cold Environments (ICE). The features of Fire and Ice put the 8530 G2 in a class by itself. The 8530 G2 offers maximum performance with robust expansion and connectivity options. It is easy to see why the 8530 G2 is the only choice for use in the harshest and most demanding environments like warehouses, ports, freezers, yards and other local-area mobile applications. And, like the rest of Psion Teklogix' mobile computing products, the 8530 G2 is based on industry standards to ensure it integrates easily with your existing or future infrastructure.



### ADVANTAGES

- **Wide range power supply:** 10 – 90 volts means no need for an external pre-regulator and reduced cost.
- **Optional internal back-up battery:** no need for an external UPS back up power supply, and no worry about lost data.
- **Freezer condensing options:** The 8530 G2 is available in a freezer-rated version that included heated components rated for temperatures as low as -30°C (-22°F)
- **Bold, bright, crisp, colour:** Transmissive display allows the screen to be seen clearly even in bright lighting conditions.
- **External keyboard:** Available in several configurations and facilitates a variety of ergonomic mounting options.
- **Enhanced connectivity:** Multiple expansion ports including RS232 (DB9), USB device and several USB hosts. These ports are ideal to connect multiple peripherals like undecoded or decoded bar code scanners, hand-held imagers and printers.
- **Radio options:** 802.11 b/g, Bluetooth and Narrowband radio options in the same terminal gives you maximum flexibility for wireless connectivity.
- **Magnesium housing:** 30% lighter than aluminum, has a greater strength to weight ratio than aluminum or steel.



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## Specifications

### PROCESSOR & MEMORY

- Intel XScale PXA 270 @ 520Mhz
- On-board RAM: 128 MByte SDRAM
- On-board ROM: 64 MByte FLASH

### OPERATING SYSTEMS

- Windows CE 5.0

### PROGRAMMING ENVIRONMENT

- HTML, XML
- Java Virtual Machine
- SDK supporting Microsoft Visual Studio

### WIRELESS COMMUNICATIONS

- 802.11b/g Compact Flash Radio  
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, 801.1i/WPA 2
  - Encryption – Dynamic WEP, AES
  - EAP Types - LEAP, PEAP MS-CHAP v2, PEAP GTC, EAP-FAST, TLS, TTLS.
- Narrowband 400-500MHz radio
- Integrated Bluetooth radio
- External antenna options
- Internal antenna options
- Diversity antenna options

### APPLICATION SOFTWARE

- Internet Explorer
- Open TekTerm
- Terminal Emulations:
  - TESS
  - ANSI
  - IBM 3270, IBM 5150
  - HP 23 GL
  - HTML

### USER INTERFACE

- Colour Display
  - SVGA 800x600, 10.4"
  - Transmissive TFT industrial for both indoor/sunlight readability
  - CCFL Backlight, 350 cd/m2 with brightness control
- Touchscreen
  - Passive stylus or finger operation
- Rugged 5-wire technology
- Enhanced anti-glare coating
- Keyboard
  - On-screen keyboard
  - 3 hardware keyboard formats available
    - ABC (10 F-keys)
    - QWERTY (10 F-keys)
    - AZERTY (10 F-keys)
  - 68 key PC like format
  - EL backlight
  - Ergonomic
  - Dedicated function keys
  - Epoxy coated elastomeric key tops

### INDICATORS & CONTROLS

- Internal 95 dBA beeper w/ volume control on keyboard
- 4 indicators RX/TX, API, SCAN, PWR/CHG
- Power indicator on radio dome

### INTERNAL EXPANSION SLOTS

- One SD I/O (MultiMediaCard) slot
- One Type II Compact Flash
- Optional 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 5/12V on pin 9)
- One high density port with:
  - 1 RS232 serial communication port
  - 1 USB device port
  - 2 USB host ports

### SIZE AND WEIGHT

- Size: 29.84 cm W x 11.75 cm D x 29.21 cm L (11 3/4" W x 4 5/8" H x 11 1/2" L)
- Weight: approximately 4.086 kg (9.5 lbs)
  - Includes integrated UPS, standard radio
- Keyboard Size 29.2cm L x 12.7cm W x 2.9cm H (11 1/2" L x 5" W x 1 1/2" H)
- Keyboard Weight .9kg (1.95 lbs)

### ENVIRONMENTAL

- Standard:
  - Operating temp: -20°C to 60°C (-4°F to 140°F)
  - Storage temp: -35°C to +70°C (-31°F to 140°F)
  - Humidity: 5 - 95% RH non-condensing
- Freezer:
  - Operating temp: -30°C to +60°C (-22°F to 140°F)
  - Storage temp: -35°C to +70°C (-31°F to 140°F)
  - Humidity: 5 - 95% RH condensing with internal heating
- Rain/Dust: IEC 529, classification IP66
- 3 axis Vibration: 1.5 g RMS PSD (4 - 500 Hz)
- 3 axis Shock 30 g 11 ms saw tooth
- IEC 60721-3-5M2

### POWER MANAGEMENT

- Internal power supply 10-90VDC designed for forklift power
- Standard 5 min super cap backup
- Optional 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

- SNMP MIB 2 support
- MapRF
- Mobile Control Center (MCC)
- Wavelink Avalanche
- Remote WLAN management

### ACCESSORIES

- Multiple mounting options

### APPROVALS:

- IEC 60950-1 2001
- 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.

