

# 8525 G2 / 8530 G2

Brute Vehicle Mount Ruggedness

psion



The Arctic cold chain.  
Merciless ports.  
Unforgiving container yards.  
Busy warehouses.

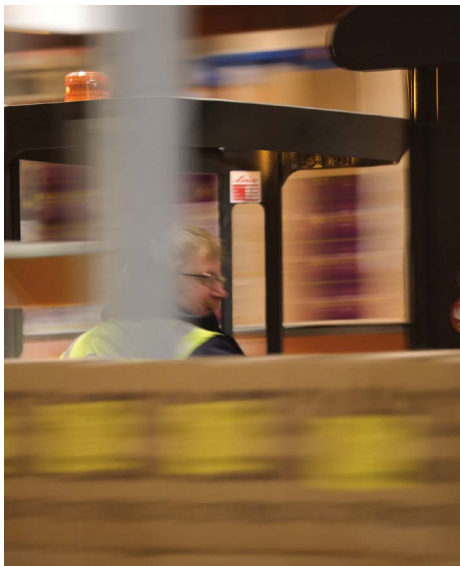
These are some of the most extreme working environments around. They demand tools that will stand up to abuse. They demand the 8525 G2 and the 8530 G2.

The 8525 G2 and 8530 G2 are rugged, vehicle mount computers that don't just work in most brutal conditions, they thrive in them...

# 8525 G2 / 8530 G2

## Vehicle Mount Powerhouses

### Too Rugged For Their Own Good

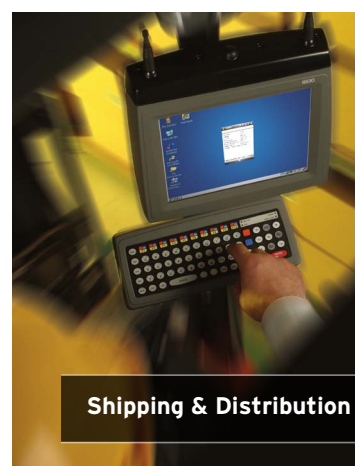


Extreme working conditions put workers under immense pressure. They deserve equipment that's as rugged as they are - vehicle mount computers that make their jobs easier, not harder.

The 8525 G2 and the 8530 G2 are rugged, vehicle mount powerhouses. They endure the bleakest conditions and always come back for more. They also deliver intelligence and insight where it's need most: at the mobile worker's fingertips. That's why companies that rely on these industry powerhouses have happier workers and higher productivity. And if you want maximum visual display, that's when the 8530 G2 really comes in to its own. Its huge display screen outshines the competition, displaying more information, more clearly.



Cold Chain



Shipping & Distribution

### Features & Benefits

#### Too Rugged for Their Own Good

The 8525 G2 and the 8530 G2 take ruggedness to new extremes, operating comfortably at temperatures between -30°C to +60°C (-22°F to 140°F). Thanks to heated components and exceptional sealing, the 8525 G2 / 8530 G2 can handle the heavy condensation that occurs when driving from a cold warehouse to a warm receiving dock. They've earned an IP66 rating, so you never worry about dust or moisture causing downtime.

#### The Heart of the Powerhouse

The power that comes from forklift truck batteries can be very nasty - high voltage peaks and gaps without power. The 8525 G2 and 8530 G2 are designed with the experience of four generations of vehicle mount computers. The wide-range 10-90V power supply allows installation on any truck without the need for pre-regulators, additional power supplies or filters and... additional cost.

You want a vehicle mount computer that still runs while the truck power is down? No problem with the optional internal backup battery of the 8525 G2 / 8530 G2.

#### The Tech Package

The 8525 G2 and the 8530 G2 are Windows®-based, so integration couldn't be simpler and application development is a no-brainer. So when your business expands, the technology's ready and waiting to expand with you.

Both the 8525 G2 and the 8530 G2 are jammed with technology including the XScale® processor, WiFi, Bluetooth® and narrowband connectivity while a range of external ports allows you to connect to just about any kind of peripheral. These are no lightweights.

#### Screen Envy

The 8525 G2 boasts an impressive half VGA 640 x 240 (8.8") colour touch-screen display, so workers never need squint again.

As for the 8530 G2 - this is where it really comes in to its own. It's packing a full SVGA 800 x 600 (10.4") color touch-screen display. The display is readable in all lighting conditions - including direct sunlight. Workers, quite simply, love it.

### CASE STUDY



Cold Chain

#### US Cold Storage

##### Extreme Toughness for the Extreme Cold

- Deployed over 1,000 Psion 8525 G2 rugged vehicle mount computers
- All devices are remotely managed and supported across 30 sites, in real-time, by Psion's Mobile Control Centre software.
- Benefits include reduced operation and support costs and full functionality in harsh environments

# 8525 G2 / 8530 G2

## Brute Vehicle Mount Ruggedness

### Features & Benefits (Continued)

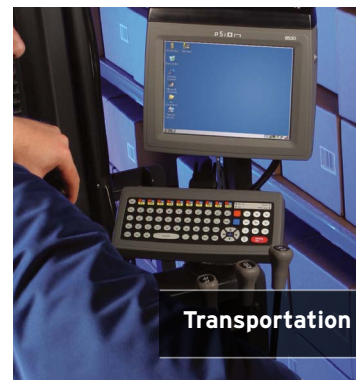
#### Keyboard Options

The 8525 G2 has an integrated keyboard, available in a variety of formats - all with 10 dedicated function keys.

The 8530 G2 takes things a bit further. It has a powerful, on-screen virtual keyboard. Very handy when you're struggling for vehicle mount space. And if you have more demanding data entry needs, you can always switch to the separate keyboard.

#### Don't Forget the Housing

The 8525 G2 / 8530 G2 housing is made from powder coated magnesium that delivers a greater strength-to-weight ratio than aluminum or steel.



"Psion terminals are very tough, watertight and durable. They bring us reliability. Warehouses are rather tough environments. And then there are temporary workers in the staff. RF is fundamental to our system; everything stems from the order the worker transmits via the gun. If it is lost or broken, we lose a fundamental working tool." - Carreras

### Accessories



#### Antenna Options

The 8525 G2 and 8530 G2 offer a wide range of antenna options that deliver impressive connectivity for any application. External, internal or diversity. Take your pick.



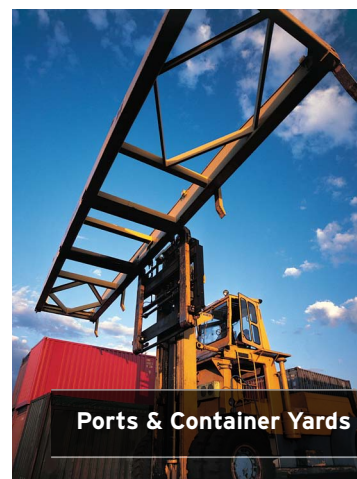
#### Mounting Options

Whether you need the standard RAM mounting options or the Heavy Duty Mount for extreme applications, you're covered. There is also a Quick Release option that enables a user to dismount the unit without the need for tools.



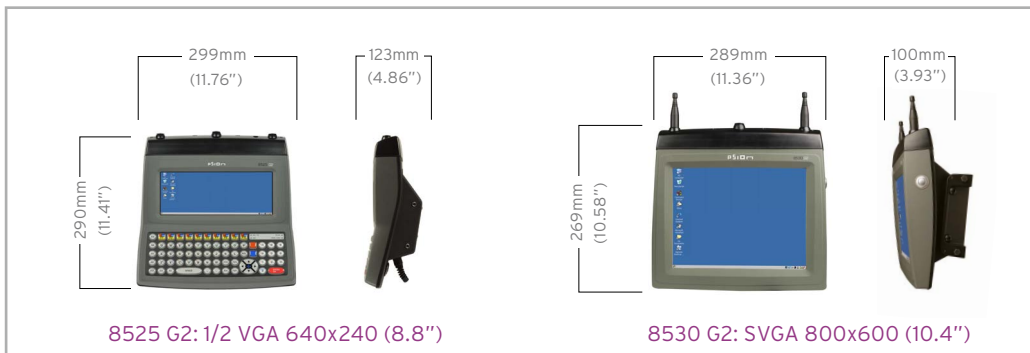
#### Backup Power

The optional internal backup battery gives you over an hour of usage so that you can keep working - even if the vehicle is off.



# 8525 G2 / 8530 G2

## Specifications\*



### Processor & Memory

- Marvell® XScale PXA 270, 520Mhz
- 128 MB SDRAM
- 64 MB FLASH ROM

### Operating System

- Windows® CE 5

### Programming Environment

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



### Wireless Communications

- 802.11b/g Compact Flash Radio
  - WPA 1, 801.11i/WPA 2
  - Encryption - Dynamic WEP, AES
  - EAP Types - LEAP, PEAP MS-CHAP v2, PEAP GTC, EAP-FAST, TLS, TTLS.
  - CCX v4 Certified
- Narrowband 400-500MHz radio
- Integrated Bluetooth® radio
- External antenna options
- Internal antenna options
- Diversity antenna options

### User Interface

#### Display:

- 8525 G2: 1/2 VGA 640x240 (8.8") 220 cd/m<sup>2</sup>
- 8530 G2: SVGA 800x600 (10.4") 350 cd/m<sup>2</sup>
- Transmissive TFT
- CCFL backlight with brightness control

### Touchscreen:

- Passive stylus or finger operation
- Rugged 5-wire technology
- Enhanced anti-glare coating



### Keyboards:

- 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 and controls:

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

### Internal Expansion Slots

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



### External Ports

#### 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 & Weight

#### 8525 G2:

- Size: 299mm W x 290mm H x 123mm D (11.76" W x 11.41" H x 4.86" D)
- Weight: approximately 4.3 kg (9.5 lbs)
- Includes integrated UPS, standard radio

#### 8530 G2:

- Size: 289mm W x 269mm H x 100mm D (11.36" W x 10.58" H x 3.93" D)
- Weight: approximately 4.3 kg (9.5 lbs)
- Includes integrated UPS, standard radio

### Environmental

#### Standard:

- Operating temp: -4°F to 140°F (-20°C to 60°C)
- Storage temp: -31°F to 140°F (-35°C to +70°C)
- 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 capacitor backup
- Optional internal UPS (12.6V Li-Ion backup battery) for full terminal operation during power loss / brown out
- Built-in fast charger
- One week real-time clock backup



### Network Management & Security

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

### Regulatory Approvals

- IEC 60950-1 2001
- EMC: FCC Part 15 Class B
- Complies with European R & TTE Directive

A complete list of accessories is available at: [www.pSION.com](http://www.pSION.com)



Product is ROHS Compliant.

\* Note this product will carry the CE Mark.  
\* Specifications are subject to change without notice.



For more information, please visit [www.pSION.com](http://www.pSION.com)

© PSION Inc., PSION, PSION Teklogix, Ikon, NEO, Omnii and WORKABOUT PRO 3 are registered trademarks or trademarks of PSION PLC and subsidiaries. Other products mentioned in this document may be trademarks of PSION Inc. or trademarks or registered trademarks of other software, hardware or service providers and are used herein for identification purposes only. Windows and the Windows logo are trademarks or registered trademarks of Microsoft Corporation in the United States and/or other countries. A4011