VEHICLE MOUNT POWERHOUSES

8525 G2 / 8530 G2

The Arctic cold chain. Merciless ports. Unforgiving container yards. Busy warehouses. These are some of the most extreme working environments around. 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 needed 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 large display screen outshines the competition, displaying more information, more clearly.

FEATURES AND BENEFITS

Too rugged for their own good
The 8525 G2 and the 8530 G2 take ruggedness to new extremes, operating comfortably at temperatures between -30ºC to +60ºC (-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 harsh - 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 preregulators, additional power supplies or filters or additional cost. You want a vehicle mount computer that still runs while the truck power is off? 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 virtually any kind of peripheral. These are no lightweights.

Screen envy
The 8525 G2 boasts an impressive half VGA 640 x 240 (8.8") color touchscreen display, so workers never need to 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 touchscreen display. The display is readable in virtually all lighting conditions – including direct sunlight. Workers, quite simply, love it.

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. And if you have more demanding data entry needs, you can always switch to the separate keyboard.

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

BRUTE VEHICLE MOUNT RUGGEDNESS

TECHNICAL SPECIFICATIONS

PHYSICAL CHARACTERISTICS

Dimensions	8525 G2: 11.76 in. W x 11.41 in. H x 4.86 in. D (299 mm W x 290 mm H x 123 mm D) 8530 G2: 11.36 in. W x 10.58 in. H x 3.93 in. D (289 mm W x 269 mm H x 100 mm D)
Weight	8525 G2: 9.5 lbs. / 4.3 kg (includes integrated UPS , standard radio) 8530 G2: 9.5 lbs. / 4.3 kg (includes integrated UPS , standard radio)
Keyboard Options	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
Power	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; >1 week real-time clock backup
Display	8525 G2: 1/2 VGA 640x240 (8.8") 220 cd/m^2 8530 G2: SVGA 800x600 (10.4") 350 cd/m^2; Transmissive TFT; CCFL backlight with brightness control
Touch screen	Passive stylus or finger operation; Rugged 5-wire technology; Enhanced anti-glare coating
Interfaces (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: one RS232 serial communication port, one USB device port, 2 USB host ports
Mounting	Quick release mount; standard RAM mounts; heavy duty mount
Indicators	Internal 95 dBA beeper with volume control; 4 indicators RX/TX, API, SCAN, PWR/CHG; Power indicator on radio dome
Expansion	(1) SD I/O (MultiMediaCard); (1) Type II Compact Flash; Optional two type II/one Type III PCMCIA slot; Convenient access to slots via sealed end cap

PERFORMANCE CHARACTERISTICS

CPU	Marvell® XScale PXA270, 520 MHz
Operating System	Windows® CE 5
Memory	On-board RAM: 128MB SDRAM / On-board ROM: 64MB FLASH
Programming Environment	HTML, XML; Java Virtual Machine; SDK supporting Microsoft® Visual Studio®
Network Management & Security	SNMP MIB 2 support; MapRF; Mobile Control Center (MCC); Wavelink® Avalanche; Remote WLAN management

USER ENVIRONMENT

Operating Temp.	Standard: -20°C to +60°C / -4°F to +140°F Freezer: -30°C to +60°C / -22°F to +140°F
Storage Temp.	Standard: -35°C to +70°C / -31°F to +140°F Freezer: -35°C to +70°C / -31°F to +140°F
Humidity	Standard: 5% to 95% RH non-condensing Freezer: 5% to 95% RH Condensing with internal heating
Sealing	IP66; IEC 529
3-Axis Shock	30 g 11 ms saw tooth; IEC 60721-3-5M2
3-Axis Vibration	1.5 g RMS PSD (4 – 500 Hz)

WIRELESS DATA COMMUNICATIONS

WLAN	802.11b/g Compact Flash Radio: WPA 1, 801.11i/WPA 2; Encryption – Dynamic WEP, AES; EAP Types - LEAP, PEAP MSCHAP v2, PEAP GTC, EAPFAST, TLS,TTLS; CCX v4 Certified; Narrowband 400-500MHz radio
Antenna	External antenna options; Internal antenna options; Diversity antenna options
WPAN	Integrated Bluetooth® radio

REGULATORY

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

ACCESSORIES

For a full list of accessories, visit www.motorolasolutons.com/8525 or www.motorolasolutions.com/8530.

WARRANTY

Subject to the terms of Motorola's hardware warranty statement, the 8585-8595 Vehicle Mount Computers are warranted against defects in workmanship and materials for a period of 1 (one) year from the date of shipment. For complete warranty statement, go to: http://www.motorolasolutions.com/warranty

SERVICES AND SUPPORT

- Psion Primary Service
- Psion Modular Services

WHERE IS THE 8525 G2 / 8530 G2 AT HOME?

Industries

- Cold Chain
- Shipping and Distribution
- Transportation
- Warehousing
- Ports and Container Yards

MOTOROLA