Product profile

PW50

Mobile Workboard Printer

- **Perfect complement for Intermec CN3, CN3e and CK61 mobile computers**
- **Convenient, integrated solution simplifies use in both portable and vehicle mount applications**
- **Optimized for DSD, Home Delivery and Field Service applications**
- **Integrated DEX communications allows easy connectivity to in-store computer system**
- **Optional magnetic stripe and smart card readers**
- **Patented power management maximizes battery life**
- **High-speed electronics and high-voltage battery deliver fast print speeds**
- **Standard communications includes Bluetooth® and serial**

Designed specifically for use with Intermec CN3, CN3e, and CK61 mobile computers, the PW50 four-inch mobile workboard printer provides a convenient, integrated solution for DSD and field service applications. With its integrated DEX communications, fast print speed, Bluetooth connectivity, and optional integrated smart card and magnetic stripe readers, the PW50 provides everything the mobile worker needs to process transactions quickly and easily.

This integrated solution provides a single convenient bundle that can easily be transported or installed in a vehicle. Custom holders safely secure the handheld computer in the mobile printer, yet allow easy removal for scanning or data entry. Hand straps and shoulder straps are available to simplify moving the equipment between the truck and the point of delivery. Drivers can easily keep batteries charged on both the printer and handheld computer: a single electrical connection through the vehicle mount or 12 volt adapter will charge both devices simultaneously.

The PW50 interfaces seamlessly with Bluetooth-enabled Intermec mobile computers including the CN3, CN3e, and CK61. Bluetooth connectivity allows the print job to be initiated whenever the handheld and printer are within wireless range of each other.

A unique design combines a high-voltage battery, patented techniques for power management, and high speed “desktop” electronics. This enables the PW50 to print the full-width of all pixels simultaneously and achieve best-in-class print speeds.

Patented power management of the robust 4-cell Li-Ion battery enables the PW50 to maintain consistent voltage to the print head for high quality printing, independent of the charge remaining in the battery. Battery capacity is designed to print 2 full rolls of receipts with 10% density text without the need to charge or change the batteries.

With 64MB of on-board Flash memory and the ability to store a full Unicode font, the PW50 gives users the flexibility to easily use multiple languages. In addition, users can improve throughput by storing frequently-used formats and graphics on the printer, eliminating the need to download large files from the mobile computer.

The PW50 combines rubberized bumpers, extra-durable gears, and a fully-integrated radio and antenna, enabling the printer to withstand the bumps and drops common to fast-paced mobile usage.

The PW50 is designed for ease of use. Paper loading, charging, and printing are fast and simple, enabling users to perform their job efficiently.

Intermec®

Physical Characteristics
Height: 180 mm (7.0 in)
Width: 310 mm (12.2 in)
Depth: 80 mm (3.2 in)
Weight: 1688 g (59.5 oz) with battery

Environmental
Operating temperature: -20°C to 50°C (-4°F to 122°F)
Storage temperature: -30°C to 70°C (-22°F to 158°F)
Charging temperature: 0°C to 40°C (32°F to 104°F)
Humidity: 10 to 90% (non-condensing)
Electrostatic Discharge:
Contact Discharge: +/-8kV
Air Discharge: +/-15kV
Sealing: IP20
Drop spec: Survives 1.2 m (4 ft) drops to concrete

Power
Battery: Rechargeable 14.8V Li-Ion, 2200mAh (4 cells); 32.56 watt hours; Battery must be ordered separately.
Recharging: 6 hours maximum
AC Adapter: 50 watts
Voltage Range: 12V +/- 5%

Memory
RAM: 16MB
Flash: 64MB

Standard Communications
RS-232 Serial (115k)
Bluetooth® (Class 1)
DEX / UCS

Optional Features
Magnetic Stripe Reader and Smart Card Reader (EMV level 1 certified)

Print Speed and Resolution
4 IPS (100 mm/s)
203 DPI (8 dots/mm)
Maximum Print Width 108 mm (4.25 in)

Media
Supports receipt media in both top coated and uncoated paper in continuous roll stock only.
Type: Direct thermal fanfold and receipt.
Media width: 111.5 mm (4.4 in)
Media length for fanfold: 25.4 mm (1.0 in) min; 609.6 mm (24 in) max
Media length for receipt: Continuous
Media thickness for receipts: 2 mil (0.05 mm) to 4.4 mil (0.112 mm)
Core ID: 19 mm (0.75 in) standard, 10mm (0.40 in) optional
Capacity: 67.3 mm (2.65 in) max. roll diameter (approximately 200", depending on media thickness)

Note: Print Speed and Environmental performance are specified for typical receipt printing applications with 10% density text.

Software Programming Language
ESC-P command sets (Line Print and EZ Print)

Character Sets
West European Latin No.1 and 9: Danish, Dutch, English Faeroese, Finnish, French, German, Icelandic, Irish, Italian, Norwegian, Portuguese, Spanish, Swedish
East European Latin No.2: Albanian, Czech, English, German, Hungarian, Polish, Rumanian, Serbo-Croatian, Slovak, Slovene
Cyrillic: Bulgarian, Byelorussian, English, Macedonian, Russian, Serbo-Croatian, Ukrainian
Arabic
Greek
Hebrew
U.S. Standard
Europe multilingual
Code Page requirements for Asian characters

Font types
40 column, normal, bold, 80 column, normal, bold, 132 column, normal, bold

Graphics
Supports user-defined fonts, graphics, formats and layouts, including custom logos

Barcode Symbologies
1D: Codabar, Code 39, Code 128, Code 128 Subset A-C, EAN-8, EAN-13, EAN-128 Subset C, Interleaved 2 of 5, UPC-A
2D: PDF 417

User Interface
LEDs and two external buttons: Standby (Power), Paper Feed
Four audio status indicators: Error alert, hardware change alert, button press alert and startup alert

Accessories
Hand strap, shoulder strap, vehicle mount, cleaning card, battery, four-bay battery charger, A/C adapter, A/C power cord, truck power cable adapter, truck power cable, forklift power cable, serial cable.

Approvals
North America UL and cUL Listed, UL 60950-1
Europe - GS Licensed, EN 60950-1
Mexico NYCE Certified, NOM 19
Other Countries IEC 60950-1
EMC Approvals
USA FCC Title 47, Part 15, Subpart B, Class B;
Europe EMC Directive (EN55022 Class B + EN55024) ; CISPR22

Warranty
One year; additional Medallion service packages available

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