

# PW<sup>CN</sup>50

Mobile Workboard Printer for CN50  
Powered by CodeOne



- Perfect complement for Intermec CN50 mobile computer
- Convenient, integrated solution simplifies use in both portable and vehicle mount applications
- Optimized for DSD, Home Delivery and Field Service applications
- 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 CN50 mobile computers, the PW50 four-inch mobile workboard printer provides a convenient, integrated solution for DSD and field service applications. 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 CN50. 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.





# PW CN50

Mobile Wokboard Printer  
Powered by CodeOne

## Physical Characteristics

Height: 180 mm  
Width: 310 mm  
Depth: 80 mm  
Weight: 1688 g with battery

## Environmental

Operating temperature: -20°C to 50°C  
Storage temperature: -30°C to 70°C  
Charging temperature: 0°C to 40°C  
Humidity: 10 to 90% (non-condensing)

## Electrostatic Discharge:

Contact Discharge: +/-8kV  
Air Discharge: +/-15kV  
Sealing: IP20  
Drop spec: Survives 1.2 m 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)

## 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

## 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  
Media length for fanfold: 25.4 mm min;  
609.6 mm 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)

## 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

Europe - GS Licensed, EN 60950-1  
EMC Approvals  
Europe EMC Directive (EN55022 Class B + EN55024); CISPR22

All rights reserved. Intermec is a registered trademark of Intermec Technologies Corporation. All other trademarks are the property of their respective owners.

In a continuing effort to improve our products, Intermec Technologies Corporation reserves the right to change specifications and features without prior notice.



## CodeOne

Sistemas de Identificação e Processamento de Dados, Lda.  
Porto: Rua Ló Ferreira, 281 - 4º  
4450-177 Matosinhos Portugal  
Tel +351 229 352 378  
Fax +351 229 370 187  
Lisboa: Alameda dos Oceanos,  
Lt 3.15.01D, Esc.6  
1990-197 Lisboa Portugal  
Tel +351 218 949 279

info@codeone.pt  
sat@codeone.pt  
www.codeone.pt



## Intermec Service Support

CodeOne is an Intermec Global Service Partner for Portugal, certified to do support and maintenance to all Intermec products.