

# Detailed Printer Specifications

## Mobile Thermal Printer **MtP400**



### Printing Specifications

**Printing Method:** Direct thermal  
**Printing Resolution:** 203 dpi (8 dots per mm)  
**Printing Speed:** Up to 3.3 ips  
**Printing Width:** Up to 4.1" (10.41 cm)

### Fonts/Characters/Bar Codes

**Fonts:** A wide range of font types and sizes, from ~ 6 cpi to 34 cpi depending on emulation chosen, plus scaling.

**International Characters:** An expanding catalog available for download.

**Bar Codes:** 39, 128, Intlv 2 of 5, EAN08 & 13, PDF-417 and UPC, depending on emulation chosen.

Downloadable fonts, graphics, logos and additional bar codes.

### Connectivity

**Standard (All Units):** RS232, USB (optional cable required)

**Wireless Options:**

**IrDA**

**Bluetooth®**

Complete Bluetooth® 2.0 Stack including:  
Protocols: L2CAP, RFCOMM, SDP  
Profiles: GAP, SDAP, SPP

Class 2 Operation

Bluetooth® SIG QD ID: B012394

RFC2217 & EN60601 compliant

**Wi-Fi 802.11a/b/g compatible**

Security: WEP, WPA-PSK/TKIP, WPA2-AES  
802.1x EAP with TLS, TTLS, LEAP, FAST, PEAP

Compatible with SNMP (MIB's I & II)

### Software

**Drivers and Utilities:** Drivers for WIN 98, 2000, XP. Compatible with Windows CE/Pocket PC and Palm OS print utilities and SDK's.

Printer Setup program provides convenient configuration via a Windows interface from any computer.

**Emulations:** Emulates many popular printer brands and languages including O'Neil, Zebra CPCL and ZPL, Extech, IPL, MPL, E-Sim and Printek Mt3. Can be upgraded as new emulations become available.

### Print Media

**Paper Type:** Direct Thermal Roll, Fan fold media, label media.

**Roll Size:** Maximum roll diameter 2.625" (6.7 cm), allows roll widths from 3" to 4.125" (7.6 to 10.5 cm)

**Roll Capacity:** Approx. 171' (52.1 m), max.

**Core Size:** 0.75" (1.9 cm)

### Power Management

**Battery:** Rechargeable 2 cell Lithium Ion, (7.4 V, 2200mAh)

**Endurance:** Over 3500 printed inches per charge.

**Recharging:** 2 hours, via on-board charger or optional external charger.

**Power Options:** 100 to 240 VAC wall adapter, 12 to 24 VDC in-vehicle adapter. When plugged in, the printer can be used while recharging the battery or can be run without the battery.

### Physical Specifications

**L x W x H:** 7.7" x 6.6" x 3.1"  
(19.56 x 16.76 x 7.87 cm)

**Weight:** 2.0 lbs. (0.90 kg) with battery

### Environmental Specifications

**Operating Temp:** -4° to 122°F (-18° to 50°C)

**Storage Temp:** -4° to 140°F (-20° to 60°C)

**Humidity:** 10% to 90% RH (non-condensing)

Rated IP54 per IEC 529, without optional environmental case.

### Operator Controls and Indicators

3 LED indicators for general fault, wireless connection/power and battery status indication. Buttons for Power and Paper Feed. Sensors for paper out, black mark detection, and door open.

### Memory Capacity

2 MB Flash, 1MB SRAM. Standard memory supports large and graphic intensive print jobs.

### Durability and Reliability

Survives multiple 4 foot drops to concrete (each face) per IEC 68-2.

MTBF: 10,000 hours in normal use

### Regulatory Approvals

FCC Class B, CE mark, UL listed AC adapters, E-mark on In-Vehicle adapter, ROHS compliant

### Warranty

One-year printer warranty on the entire printer—case, battery, and print head included.

### Options and Accessories

- 3-Track Magnetic Card Reader
- External Battery Charger
- AC Wall Adapter, 100 to 240 VAC
- In-Vehicle Power Adapter, 12 to 24 VDC
- Shoulder Strap
- Belt Loop Attachments
- Data Cables, RS232 or USB
- Spare Batteries in Multi-Packs
- Media in Case Quantities
- Flexible Mounting Systems
  - In-Vehicle Systems
  - Cart Mounting Systems
  - Fixed Mounting Systems

