

## Reliability in challenging environments.

Printek MtP400si printers are a variant of the popular MtP Series with extended environmental and durability specifications for challenging printing applications. Running battery-free and mounted to a fixed structure in industrial, construction, or manufacturing vehicles, MtP400si operates reliably under conditions not typically associated or compatible with the use of standard ruggedized IT equipment, from the desert to the tundra.



# MtP400si Series

These “super industrial” printers offer reliable operation and a wide range of valuable features. With a rugged case and shock mounts, they operate flawlessly day after day, putting more “return” in your ROI. These printers handle harsh environments, demanding applications, and changing needs.



**MtP400si printers are built to last.** They're built for speed and usability, too. Consider these time-saving, life-extending, and flexibility-enhancing features:

- Overmold design for superior resistance to impact and harsh chemicals.
- IP54 rated for water and dust resistance.
- Generous media capacity reduces reloading; media gauge indicates level at a glance.
- Rugged, screw down connector for power and data.
- Simple drop-in paper loading... no need to thread paper.
- Direct thermal printing... no ink, no ribbon, and good performance in any weather.
- Available in Cabled, Bluetooth®, and Wi-Fi versions.
- Wide input voltage range and superior circuit protection.
- Sealed, wipe-clean control panel.

## Leadership that leads the way.

For over 25 years, Printek has fulfilled business printing needs of organizations worldwide. We've led the industry with mobile printers designed to improve productivity and increase ROI. And — they include PrintekMobile's unparalleled level of customer support. Our clients say it's the best in the industry. So why not join them, and find out for yourself.



Ready. Go. Print.

# Detailed Printer Specifications

## Super-Industrial MtP400si Printer



### 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, WIN 7, Compatible with Windows CE/ Pocket PC and Palm OS print utilities & SDKs.

Printer Setup program provides convenient configuration via a Windows interface from any computer, handheld, or smartphone.

**Emulations:** Emulates many popular printer brands and languages including O'Neil, Zebra CPCL and ZPL, Extech, IPL, MPL, E-Sim, TEC 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"/1.0" (19mm/25mm)

### Electronics / Power

**\*Ruggedized screw down-type DB-9 connector for power and I/O.**

**\*DC Input: 8 to 48 VDC  
Overvoltage Protection: 80 VDC for 1 hour.  
Fail-safe to 180 VDC.**

**\*I/O Short Circuit: Tolerant of shorts to ground or DC input.**

### 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)

### Memory Capacity

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

### Environmental Specifications

**\*Operating Temp: -40 F to 185 F (-40 C to 85 C)**

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

Rated IP54 per IEC529

**\*Chemical Resistant case per SAEJ1455**

### Operator Controls and Indicators

4 illuminated icons for general fault, wireless connection, and MCR ready.

2 line LCD for system alerts and messages, configuration setup.

Buttons for power, paper feed and setup menu.

Sensors for paper out, black mark detection, and door open.

### Durability and Reliability

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

**\*Vibration Resistance: 9.8 Grms  
24 to 2000 Hz**

MTBF: 10,000 hours in normal use.

### Regulatory Approvals

FCC Class B, CE mark, UL listed AC adapters, E-mark on In-Vehicle adapters.

### Warranty

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

### Options and Accessories

- 3-Track Magnetic Card Reader
- Data Cables, RS232 or USB
- Media in Case Quantities

\*Indicates an extended feature available only on MtP400si printers.

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**PRINTEKMOBILE™**

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