

## microFlash<sup>®</sup> 2te/4te Ultra-Rugged Receipt Printers

The microFlash family offers the most rugged and reliable performance for route accounting, direct store delivery and field service workers. Frequent drops, extreme vibration, constant jarring, and excessive dust are just a few examples of the regular abuse mobile technology endures. Few printers thrive in the demanding mobile workplace better, longer, or more reliably than the microFlash family of printers.

The microFlash 2te is a rugged and reliable 50.8 mm (2 in) wireless portable printer available in addition to being one of the smallest. USB connectivity allows the 2te to integrate easily into new or existing applications and is also available with optional Bluetooth<sup>®</sup> for wireless communication.

With uncompromising standards, the 4te is engineered to withstand even the most punishing portable applications including multiple 1.8 m (6 ft) drops to concrete. The 4te prints outstanding quality 101.6 mm (4 in) receipts, proof of deliveries, labels, and invoices. The 4te is rugged and offers enhanced processing speed, greater memory capacity, USB connectivity power status lights, external charging, and optional Bluetooth<sup>®</sup> and 802.11b/g wireless connectivity.

The microFlash family will lower total cost of ownership. Save money on expensive extended warranties and repairs.

Everyone agrees that reliability is important. That is why Datamax-O'Neil by Honeywell stands behind their mobile printers with a standard two year warranty.



*The microFlash family is one of the most rugged and reliable printer series available with a design that helps keep mobile workers productive.*

### FEATURES & BENEFITS



RISC processor for faster processing. LED lights to indicate Bluetooth<sup>®</sup> and charging/power status and an external DC jack for easy charging.



Supports a wide variety of hand-held computers from leading manufacturers.



Battery is included. And when it's time to replace the battery, the microFlash printers use economical replacement batteries.



Lower cost of ownership with a two-year standard warranty.



Supports the printing of graphics, 1D bar codes, 2D symbologies and signature capture.

# Technical Specifications

## PHYSICAL CHARACTERISTIC

### Dimensions (HxWxD):

**2te:** 139.7 x 109.2 x 63.5 mm (5.5 x 4.3 x 2.5 in)

**2te:** 162.6 x 109.2 x 63.5 mm (6.4 x 4.3 x 2.5 in)\*

**4te:** 172.2 x 175.8 x 69.1 mm (6.8 x 6.9 x 2.7 in)

**4te:** 193.5 x 175.8 x 68.3 mm (7.6 x 6.9 x 2.7 in)\*

### Weight:

**2te:** 0.44 kg (15.3 oz); 0.79 kg (28 oz)+

**2te:** 0.48 kg (16.9 oz); 0.82 kg (29.1 oz)++

**4te:** 0.54 kg (19.2 oz); 1.1 kg (37.2 oz)+++

**4te:** 0.59 kg (20.7 oz); 1.1 kg (38.3 oz)++++

**Drop Specification:** 1.8 m (6 ft)

\*With card reader

+With battery

++With battery and card reader

+++With battery and paper roll

++++With battery and paper roll and card reader

## USER ENVIRONMENT

**Operating Temperature:** -20°C to 50°C

(4°F to 122°F)

**Storage Temperature:** -40°C to 70°C

(40° F to 158° F)

**Charging temperature:** 5°C to 40°C

(41°F to 104°F)

**Relative Humidity:** 10% to 90% non-condensing

### ESD Protection:

(4te) 15 kV Air, 8 kV contact

(2te) 8 kV Air, 4 kV contact

## PRINT TECHNOLOGY

**Printhead:** Direct thermal; 8 dots per mm (203 dots per in)

**Print Mechanism Speed:** 51 mm (2 in) per second

## COMMUNICATION

**Serial:** RS-232; up to 460.8 kbps

**USB:** 2.0 (full speed)

**802.11 b/g (4te only):**

**Frequency Band:** 2.4 to 2.4897 GHz

**Data Rates:** Standard 802.11b/g rates

**Network Standard:** IEEE 802.11b/g

**Wireless Access Modes:** Infrastructure and ad hoc

## Security protocols:

	WPA	WPA2
<b>Modes</b>	PSK/Enterprise	
<b>Security/ Encryption</b>	TKIP/RC4	CCMP/AES
<b>Authentication</b>	EAP-FAST, EAP-PEAP, EAP-TTLS	

**Network Support:** DHCP, TCP, UDP, BOOTP

**Remote Management Support:** Compatible with the Remote Management Software and other remote management systems

**Bluetooth®:** Network environment: Ad hoc network environments

## MEDIA

**Media Type:** Direct thermal receipt paper (standard, premium, heavy duty, long-life, image protect, hi-temp, and all weather), synthetic media, UV coated media; labels: linerless labels (optional)  
*For optimum print quality and printer performance, use certified Honeywell media supplies.*

## AGENCY APPROVAL

Contact your Honeywell sales representative for the most recent list of agency approvals.

## BARCODES/FONTS/GRAPHICS

**Standard Fonts:** 5.5CPI, 7.2CPI, 10.2 CPI, 10.7CPI, 18.5CPI 20.4CPI, 22.6CPI & 34.0CPI (additional fonts available)

**Optional Characters:** Arabic, Greek, Hebrew, OCRA, OCRB, Unicode subset including Latin & Thai; Asian (including Big 5, Simplified Chinese, Korean and Shift JIS) - additional international characters available

**Barcodes:** Linear: Codabar, Code 39, Code 93, Code 128, EAN-8, EAN13, Interleaved 2 of 5, MSI/Plessey, UCC/EAN-128, UPC-A, UPC-E;

**2D Symbologies:** PDF417; AZTEC, QR, GS1, Datamatrix (available on wireless only)

**Graphics:** Supports storage of graphics/logos in Flash memory and transient "print once" graphics

## SOFTWARE/FIRMWARE

**Protocol:** Line Printer Mode, Easy Print®

**Device Management (for 802.11 models only):** Remote Management Software (RMS), Wavelink Avalanche MC, Motorola MSP

**Drivers:** Windows® CE and Desktop

**Compatible Label Design Software:** NiceLabel, BarTender®, DP Designer

**Software Development Kit:** C++, Visual Basic, Microsoft Dynamics, Blackberry®

## OPTIONS

**External Charge Contacts (4te)**

**Linerless Label Capability**

**Magnetic Stripe Card Reader**

**Wireless Communication (2te/4te)**

## WARRANTY

**Standard Warranty:** 2 years\*

**Extended Warranty:** Contact your Honeywell sales representative for extended warranty options available through Honeywell Repair Services

\* Covers platen roller, printhead and installed options

## Honeywell Scanning & Mobility

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**Honeywell**



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