O'NEIL®

The Most Reliable Portable Printers®

A **DOVER** COMPANY

8i

microFlash® 8i Serial & Wireless Portable Impact Printer

The microFlash 8i serial and wireless printers print high-quality, full size, multi-part customer invoices, receipts, load reports, transfers and other documents for route accounting applications at the point of delivery. O'Neil's unique design makes the 8i rugged enough to be used either in the front seat of a delivery vehicle or carried into a receiving area. Holding up to 200 sheets of 8.5" x 11" or A4 paper, the exclusive paper feed design of the 8i literally eliminates paper jams and allows the maximum amount of paper to fit in a small footprint.

Rugged and Reliable. The 8i is backed by legendary reliability. With uncompromising standards, the 8i is engineered throughout to withstand the punishing demands of the mobile environment. The unbreakable double-walled polyethylene case protects the 8i from everyday jolts and road bumps, and its rock solid print mechanism is proven to provide years of service where other printers fail. A full one year warranty is provided for the 8i, even on the printhead, offering peace of mind you can only get with an O'Neil printing solution.

Wireless Printing. When wireless is a necessity, count on O'Neil to offer the most reliable solution. The 8i Bluetooth® version eliminates the need for mobile workers to return to their vehicle to print invoices.

Flash Memory. As your business changes, so might your printer needs. We pioneered the use of Flash memory many years ago allowing you to change fonts and functions simply by connecting the printer to a computer. No need to return the printer for an upgrade.

We Speak Your Language – Any Language. O'Neil has taken away the font and character limitations found in other printers. In cooperation with Bitstream® fonts, any international character set can be added to the 8i with a one-time minimal setup fee.

Plenty of Power. The 8i is powered by your vehicle's 12-volt system without a voltage adapter, or it can be used remotely with an internal battery pack. The 8i has enough power to print up to 201 – 11" invoices on a single battery charge, at a speed of 270 cps.

No Paper Jams. In the early 80's, O'Neil created a unique paper feed design that literally eliminates paper jams. It allows a lot of paper to fit in a small package. The printer can be held in any orientation, even upside down, without jamming... perfect for portable applications.

"Not only have the O'Neil printers lived up to our expectations, they have surpassed them in terms of reliability. In the nearly two years we have been using them, they have had a failure rate of less than 1%."

Matt McGary
Chicago Tribune

▶ Wireless Bluetooth® Connectivity

When the microFlash 8i printer is configured with an Integrated Bluetooth® module, mobile workers can realize all of the convenience, power efficiencies and cost benefits of a wireless personal area network. O'Neil was the first portable printer manufacturer to incorporate the Bluetooth protocol in Flash memory, eliminating the need for costly software and hardware upgrades whenever the wireless specification changes.

Standard Features at a Glance

- Reports, invoices and receipts are downloaded and printed on the spot.
- Optional real-time anywhere, anytime connectivity enables data to be uploaded or accessed without a physical network connection.
- Rugged design withstands the harshest of road conditions.
- Easy-to-load/unload paper reduces driver training and enhances reliability.
- Operates from a vehicle's 12-volt power system, no expensive voltage adapters are needed.
- Multiple mounting options allow mounting wherever needed – from a bulkhead/wall to the dashboard/console.
- Programmable sleep mode extends vehicle battery life.
- Printer fonts are stored in Flash memory and are easily upgraded as new fonts become available.

8i

Specification Highlights microFlash® 8i Serial & Wireless Portable Impact Printer

Physical Characteristics	microFlash® 8i	microFlash® 8i Bluetooth®
Dimensions	15.5" x 11.75" x 4.25" (393.7 x 298.5 x 107.5 mm)	15.5" x 11.75" x 4.25" (393.7 x 298.5 x 107.5 mm)
Weight (printer only)	101.4 oz (2.785 kg)	102.92 oz (2.918 kg)
Weight (with battery, adapter, bag & paper)	182 oz (5.160 kg)	183.52 oz (5.203 kg)
Drop Specification	3 ft (0.9 m)	3 ft (0.9 m)

User Environment	
Operating Temperature	-4° F to 122° F (-20° C to 50° C)
Storage Temperature	-40° F to 158° F (-40° C to 70° C)
Charging Temperature	41° F to 104° F (5° C to 40° C)
Relative Humidity	10% to 90% non-condensing
ESD Protection	8 kV Air / 4 kV Contact

Communications	
Serial	RS-232, up to 115.2k baud
Bluetooth® Network Environment Protocol	Ad hoc environment v1.2 (compatible with v1.1 devices)

Print Technology	
Printhead	9 pin impact
Printhead Life	100 million dots
Print Speed	270 characters per inch
Ribbon Cartridge	2,000,000 characters

Media	
Type	NCR, Plain (up to 4-ply)
Width	3" minimum, 8.5"/A4 maximum
Capacity	Up to 200 sheets

Options/Accessories

- AC Adapter
- Cigarette Lighter Adapter
- Cradles for Hand Held Devices
- DB9 F Cable (coiled/non-coiled)
- Mounting Brackets (locking/non-locking)
- Power Cables
- Ribbon/Purple Ribbon
- Softcase for Printer
- Spare Batteries

Power Source		
Battery (Optional)		12V NiMh, 4000 mAh
DC Input 1		(AC Adapter) 12-15V, built-in spike and surge protection
DC Input 2		(Cigarette Adapter) 12-15V, built-in spike and surge protection
Endurance	Serial	Prints approx. 245 – 8.5" x 11" invoices on a single battery charge
	Bluetooth	Prints approx. 188 – 8.5" x 11" invoices on a single battery charge
Battery Life		80% of original capacity after 300 cycles
Recharging		3.5 to 4.5 hours from AC adapter or cigarette adapter

Fonts & Languages	
Memory Capacity	Flash/Ram Memory **Serial**: 512kB/128kB Flash/Ram Memory **Bluetooth**: 1024kB/512kB
Standard Fonts	10 CPI Pica/Elite & 12 CPI Pica/Elite (additional fonts available)
International Characters	Arab-T, Arab-S, Arab-E, Cyrillic (Cy110 & CY210), Greek (GRDOS & GRWIN), Hebrew (HB110, HB210, HB310), Latin & Turkish (additional international characters available)
Graphics	Supports transient "print once" graphics

Agency Approvals	
FCC B, CE, UL/cUL	

Warranty	
1 year (including printer case and printhead*)	

*When used with approved ribbon.

 Bluetooth®