Simple. Rugged. Reliable. 4t
And Now Wireless!

O'Neil Product Development, the world leader in rugged portable printers, continues its history of innovation by introducing its WLAN and WPAN printing solutions.

microFlash
Thermal Wireless Printer
4t

Our worldwide customer base can now extend the reach of their enterprise networks by enabling frontline workers to print 4″ wide receipts, labels, and invoices at virtually any point of operation. Housed in an unbreakable polyethylene case, the microFlash 4t is light enough to be worn on a belt yet rugged enough to withstand multiple 6′ drops to concrete. Designed for mobile printing applications in manufacturing, route accounting, distribution, transportation, and logistics, the microFlash 4t wireless printer delivers the performance and flexibility required by modern day supply chain operations.

microFlash 4t

Thermal Wireless Printer

Wireless!

Introducing WLAN & WPAN printing solutions.

Wireless MicroFlash 4t

Extend the reach of enterprise networks by enabling frontline workers to print 4" wide receipts and labels at virtually any point of operation.

microFlash 4t

Thermal Wireless Printer

Simple. Rugged. Reliable. And Now Wireless.

Our wireless local area networking solution incorporates a user installable Cisco® PC Card (PCMCIA) which connects the microFlash 4t printer to a wireless network in ad hoc peer-to-peer mode or in infrastructure mode and complies with the IEEE 802.11b interoperability standards for direct sequence wireless LANs. When the printer is configured with the integrated Bluetooth™ module, mobile workers can realize all of the convenience, power efficiencies, and cost benefits of a wireless personal area network. As the first portable printer manufacturer to incorporate the Bluetooth protocol in flash memory, O'Neil Product Development has eliminated the need to return the microFlash 4t printer to the factory for costly software and hardware upgrades whenever the Bluetooth wireless specification changes.

Standard Features at a Glance

- WLAN or WPAN networking technologies
- Supports a wide variety of handheld computers from leading manufacturers
- Exceptional print quality (203 dpi resolution)
- Fonts, graphics and operating system stored in flash memory
- Supports international character sets and any Bitstream© bitmap font
- 80 column font for invoice printing
- Increased label capacity through the use of linerless label stock (optional)
- Supports the printing of graphics, 1D and 2D bar codes, and signature capture
- Intelligent power management and programmable sleep mode for extended battery life
- Charging options include a low cost AC adapter or 12V vehicle cigarette lighter
- Optional Magnetic Stripe and Smart Card Reader

Specification Highlights microFlash 4t Thermal Wireless Printer

Physical Characteristics:

Dimensions	7.37 in. x 6.82 in. x 2.67 in.	18.72 cm x 17.32 cm x 6.78 cm
Weight (with batteries and paper roll):		39.6 oz. / 1,122.6 g
Drop Specificaion:		6 ft. / 1.8m

Environment:

Operating Temp	-20° C to 50° C / -4° F to 122° F
Storage Temp	-40° C to 70° C / - 40° F to 158° F
Charging Temp	5° C to 40° C / 41° F to 104° F
Relative Humidity	10% to 90% noncondensing
ESD Protection	8 kV Air, 4 kV Contact

Print Technology:

Direct Thermal	4.09" (104mm) print width 203.2 DPI, 8 dots/mm
Print Head Life	400,000,000 dot lines @25%
Print Speed	Up to 2.5 inches per second

Fonts & Languages:

Memory Capacity	Flash/RAM memory: 8 / 4 Mbit
Standard Fonts	5.5CPI, 7.2CPI, 10.2CPI, 10.7CPI, 18.5CPI, 20.4CPI, 22.6CPI
Int'l Characters	Arab-T, Arab-S, Arab-E, Asian-A, Asian-B, shiftJIS, Greek, OCRA, OCRB, Unicode subset including Thai and Latin
Bar Codes	Prints 1D and 2D bar codes
Graphics	Supports storage of graphics and logos in flash memory. Also supports transient, print once graphics

Power Source:

Battery	7.2V Lithium Ion 1350 mAh (two batteries for a total of 2700 mAh)
DC Input	12-15V, built-in spike and surge protection

Battery Characteristics:

Type	7.2V Lithium Ion 1350 mAh (two batteries for a total of 2700 mAh)
Endurance (802.11b)	Prints 3,864 inches on a single battery charge (644 6" receipts)
Endurance (Bluetooth)	Prints 4,250 inches on a single battery charge (708 6" receipts)
Battery Life	56% of original capacity after 500 cycles
Recharging	2-3 hours from AC Adapter or Cigarette Lighter Adapter

Communications:

RS-232 Serial	Up to 115.2k baud
Wireless LAN	Cisco Aironet® 350 Series PC Card (PCMCIA)
Frequency Band	2.4 to 2.4897 GHz
Data Rates Supported	1, 2, 5.5, and 11 Mbps
Network Standard	IEEE 802.11b
Network Architecture Types	Infrastructure and ad hoc
Wireless Medium	Direct Sequence Spread Spectrum (DSSS)
Personal Area Network	Integrated Bluetooth module
Network Environment	Ad hoc or piconet network environments
Protocol	Supports version 1.1 of the Bluetooth standard (SIG certification pending)

Media:

Roll Capacity	Thermal paper: 1,716" / 43.5m Linerless: 840" / 21.3m
Paper Width	4.41" / 112.0mm
Media Types	Direct thermal paper, Labels Linerless labels (optional)

Agency Approvals:	FCC B, CE, C-Tick, E-Mark

Warranty:	1 Year (including printer case)

Optional Accessories:

Swivel Belt Loop
Vehicle Mounting Bracket
DC Power Extension
AC Adapter
Cigarette Lighter Adapter
DB9F Data Cable
Magnetic Stripe / Smart Card Reader