The OC™ The O'Neil Compact™ Serial & Wireless Portable Thermal Printer

OC2

The O'Neil Compact™ - the OC™, is the world's most streamlined, light weight, and ergonomic family of portable label and receipt printers. Designed especially for those labeling and transaction applications where ergonomic considerations, ultimate portability, and smart looks are paramount, the OC is ideal for a wide variety of mission-critical applications.

The OC2 is a thermal printer that provides receipts and labels up to 2.25 inches wide, and addresses the continually expanding requirements associated with point-of-sale and on-demand transaction activities. The advanced features standard with the OC2 offer extreme user flexibility to meet unique and industry-specific portable printing requirements. These features include 802.11b/g or Bluetooth® networking capabilities, high print quality, Flash memory, intelligent power management and font and language adaptability.

Retail. The OC2 is ideal for mobile point-of sale and line/queue-busting where it can print receipts and take payments with its integrated magnetic stripe card reader. And because of its sleek styling and good looks, the OC2 is at home in any retail environment.

Hospitality. Let the OC2 eliminate long lines and improve your customer service with mobile check-in and check-out. In the restaurant environment, the OC2 is perfect for order-taking at tableside. The integrated magnetic stripe card reader allows you to quickly take payments and issue receipts on the spot.

Transportation. The OC2 can create and issue boarding passes as well as passenger check-in anywhere it's needed. During in-flight meal service and shopping, let the OC2 take payment and issue receipts.

Field Sales and Service. Prevent driver delays and improve efficiency and customer service with the OC2's mobile receipt printing and transaction processing capabilities. The OC2 sets a new standard for portable thermal printers. No other family of printers available today is designed to be as ergonomic, light weight and sleekly styled.

Outstanding Print Quality. The OC2's reliable print mechanism offers outstanding print clarity, allowing the printing of graphics, bar codes and logos. The OC2's full two- year warranty, even on the printhead*, offers peace of mind with our promise to stand behind every product we sell.

Wireless Printing. When wireless is a necessity, count on O'Neil to offer the most reliable solution. Our integrated 802.11b/g module connects the OC2 to your wireless network. Our Bluetooth® module offers the convenience of a wireless personal area network, eliminating the need for mobile workers to return to their vehicle to print receipts or tickets. 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.

Power to Spare. The OC2's Lithium-Ion batteries offer maximum power capacity for a full 10+ hour shift, even under the toughest conditions. It can print as many as 1,087 – 6" receipts, on a single battery charge. Its automatic "sleep" mode saves power and the fast 3.5/4.5-hour recharging time, along with optional vehicle charger, provides an ideal solution for long and intense printing applications.

Flash Memory. As 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. There is no need to return the printer for an upgrade.

We Speak Your Language. Any Language. O'Neil has eliminated the font and character limitations found in other printers. In cooperation with Bitstream® fonts, any international character set can be added to the OC2 with a one-time minimal setup fee.

> *"By upgrading the hand-held computers and printers we use for billing, we've taken another step in our effort to lighten the load on our delivery team to make it more efficient and better able to serve our 20,000 customers."*
>
> Jacques Boivin
> *Vice President of Logistics*
> *La Brasserie Labatt*
> *Frontline Solutions Magazine*

▶ Wireless 802.11b/g or Bluetooth®

An embedded 802.11b/g module connects the OC printer to a wireless network in peer-to-peer or infrastructure mode and complies with the IEEE 802.11b/g interoperability standards for direct sequence wireless local area networks. When the printer is configured with the integrated Bluetooth module, users can realize all of the convenience, power efficiencies and cost benefits of a wireless personal area network.

▶ 2-Year Standard Warranty

O'Neil offers the industry's only two-year standard warranty - twice that of the competition. In an industry where standard warranties offer only one year or less of coverage, O'Neil's two-year warranty not only doubles your protection but also drastically reduces your total cost of ownership.

Standard Features at a Glance

- Optional 802.11b/g or Bluetooth® networking technologies.
- Advanced 32-bit architecture RISC processor for light-speed processing.
- Comes with the industry's only two-year standard warranty - twice that of the competition!
- Supports a wide variety of hand-held computers from leading manufacturers.
- Exceptional print quality (203 dpi resolution).
- Fonts, graphics and operating system in Flash memory.
- Supports international character sets and any Bitstream® bitmap font**.
- Supports the printing of graphics, linear barcodes, 2D symbologies, 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 adapter.
- Optional swipe-style magnetic stripe card reader.
- Swivel belt clip included.

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Specification Highlights OC2 Serial & Wireless Portable Thermal Printer

Physical Characteristics

Dimensions	5.19" x 4.90" x 2.75" (131.83 x 124.46 x 69.85 mm)
Weight	18.08 oz (0.51 kg) - printer w/ card reader only 21.60 oz (0.61 kg) - printer w/ card reader, paper & battery

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	15 kV Air, 8 kV contact

Communications

Serial	RS-232, 460.8 kbps

802.11b/g

Frequency Band	2.4 to 2.4897 GHz
Data Rates Supported	Standard 802.11b/g rates
Network Standard	IEEE 802.11b/g
Network Architecture Types	Infrastructure and ad hoc
Wireless Medium	Direct Sequence Spread Spectrum (DSSS)
Authentication	Open or Shared key
Security Protocols	40 bit WEP, 128 bit WEP, WPA, LEAP, EAP-FAST, plus others available
Network Support	DHCP
Remote Management Support	Compatible with the O'Neil Printer Management Console and other remote management systems

Bluetooth®

Network Environment	Ad hoc network environments
Supported Versions	v1.2 (compatible with v1.1 devices)

Print Technology

Printhead	Direct thermal, 203 dots per inch (8 dots per mm), 1.89" (48 mm) print width
Printhead Warranty	2 years*
Print Mechanism Speed	2" per second (51 mm per second)

Media

Type	Direct thermal receipt paper (standard, premium, heavy duty, long-life, image protect, hi-temp, and all weather), synthetic media, UV coated media, limited label support. For optimum print quality and printer performance, use Certified O'Neil supplies.
Capacity	2.25" (57 mm) maximum roll diameter (O.D.) 0.4" (10 mm) I.D. core
Width	2.25" (57 mm)
Thickness	0.002" (0.05 mm) minimum 0.006" (0.15 mm) maximum

Power Source

Battery	(1) 7.2V Lithium-Ion (Li-Ion), 2200 mAh
DC Inputs	External DC jack, 12-15V, built-in spike and surge protection
	External charge contacts, 12-15V, built-in spike and surge protection
Endurance **802.11b/g**	Prints approx. 4,584" or 764 – 6" receipts on a single battery charge (12.7 hours)
Bluetooth	Prints approx. 6,522" or 1087 – 6" receipts on a single battery charge (18.1 hours)
Recharging	3.5-4.5 hours from AC adapter or cigarette adapter

Fonts & Languages

Memory Capacity	Flash Memory: 4 MBytes Ram Memory: 2 MBytes
Standard Fonts	5.5CPI, 7.2CPI, 10.7CPI, 18.5CPI 20.4CPI & 22.6CPI (additional fonts available)
Optional Characters	Arabic, Asian (incl Big 5, Simplified Chinese and Shift JIS), Greek, Hebrew, OCRA, OCRB, Unicode subset including Latin & Thai (additional international characters available)
Bar Codes **Linear**	Codabar, Code 39, Code 93, Code 128, EAN-8, EAN-13, Interleaved 2 of 5, MSI/Plessey, UCC/EAN-128, UPC-A, UPC-E
2D symbologies	AZTEC, PDF417, QR
Graphics	Supports storage of graphics/logos in Flash memory and transient "print once" graphics

Software

Protocol	Line Printer Mode, Easy Print®
Device Management	O'Neil Printer Management Console (OPMC)
Drivers	Windows CE and Desktop
Label Designers	NiceLabel, BarTender®, DP Designer
Software Development Kit	BlackBerry

Agency Approvals

FCC B, CE, UL/cUL

Warranty

2 years (including printhead*)

Options / Accessories

- AC Adapter
- Charging cradle – single
- Charging cradle – 4 or 5 bay with dual bay battery charger
- Cigarette Lighter Adapter
- Cleaning Cards & Kits
- Data Cables for Hand-Held Devices
- DB9 F Cable (coiled)
- External Battery Charger
- Magnetic Swipe Card Reader
- Paper/Labels
- Smart Card Reader
- Spare Batteries
- Swivel Belt Loop
- Swivel-Mount Bracket
- Swivel-Mount Shoulder Strap