O'NEIL®

The Most Reliable Portable Printers®

PrintPAD™ Integrated Printing System (Hand Held Products™-compatible)

PrintPAD™

The PrintPAD 7900 portable thermal printer works in the most rugged environments to enable the production of hardcopy back-ups of digital information and signature printing, as well as the generation of receipts, tickets and labels for a variety of applications.

This innovative one-piece printer system consists of a 4.41 inch (11.2 cm) wide thermal printer in a rugged case and an embedded communications charging cradle designed for use in a number of different applications with the Hand Held Products Dolphin® 7900 Mobile Computer.

Application Functions

Beverage & Food Sales: Generate up to 2,240 – 6" (15 cm) receipts with graphics and logos.

Field Service: Print work summary reports at the point-of-service.

Law Enforcement: Generate citations or tickets at the roadside.

Route Accounting & Direct Store Delivery (DSD): Print real-time information such as inventory-level data at the customer site or in the warehouse.

Rugged Mobile Point-of-Sale (POS): Scan items, take credit card payment and issue a customer receipt anywhere on the premises (requires optional insertion magnetic stripe card reader).

Proof of Delivery: Print high-resolution signatures.

Transportation & Logistics: Print compliance shipping and inventory labels.

Designed for Comfort and Ease of Use. The PrintPAD 7900, with integrated carry strap, is designed for maximum user comfort. PrintPAD 7900 simply "wakes up" automatically when data is received so there are no buttons or switches required for operation. After printing, the PrintPAD 7900 returns to "sleep" mode to conserve battery life without any user intervention.

Mission-Critical, Global Mobility Solutions. Meet mobile application challenges with the PrintPAD 7900 integrated printing solution. To ensure that the PrintPAD 7900 meets your language needs today and tomorrow, any international character set can be added.

Rugged and Reliable. With uncompromising standards, the PrintPAD 7900 was engineered throughout to withstand even the most punishing portable applications. It can take all the bumps and knocks inherent in the mobile workplace. Its rock solid print mechanism is proven to provide years of service where other printers fail. The full one year warranty, even on the printhead, offers peace of mind with our promise to stand behind every product we sell.

> "We have been very pleased with the O'Neil product and have seen a failure rate of less than one percent since inception. Reliability is very important to this system."
>
> Mr. Matt McGary
> *Consumer Technology Business Analyst*
> *Chicago Tribune*

▶ PrintPAD for Hand Held Products Dolphin® 7900

The PrintPAD 7900 combines O'Neil's 4" thermal printer with an integrated cradle for Hand Held Products' Dolphin 7900 Mobile Computer. PrintPAD 7900 offers mobile workers the convenience of a portable printer and handheld computer united in a single reliable unit. This rugged solution contains an optional external DEX communication port for transmission of data between the Dolphin 7900 and the delivery store's stock database. Easy access to the DEX connection makes PrintPAD 7900 an ideal solution for route accounting or DSD; especially within the retail food industry.

Standard Features at a Glance

- Supports Hand Held Products™ Dolphin® 7900
- Prints 2,240 – 6" (15.2 cm) receipts on a single charge.
- Includes an 80-column condensed font for invoice printing.
- Powered by two 2200 mAH-capacity Lithium-ion batteries with an optional AC or cigarette adapter for simultaneous battery recharging in both the printer and mobile computer.
- External charge port for easy recharging in the truck or settlement room
- Automatic and user-definable settings extend battery life.
- Supports international character sets, graphics and any Bitstream® font or language (for worldwide applications).
- Easy Print® protocol supports all popular bar codes, lines, boxes, graphics, system status, memory, formats and fonts.
- Supports the printing of linear barcodes and 2D symbologies.
- Optional Insertion Magnetic Stripe and Smart Card Reader.

PrintPAD™ 7900

Specification Highlights PrintPAD 7900 (Hand Held Products - compatible)

Physical Characteristics

Dimensions PrintPAD for:	
7900	13.37" x 9.75" x 3" (33 x 24.77 x 7.62 cm)
7900 (SCR version)	13.37" x 9.75" x 3.75" (33 x 24.77 x 9.52 cm)
Weight PrintPAD for:	
7900	printer only: 41.4 oz (1.17 kg) with batteries & paper roll: 57.7 oz (1.63 kg)
7900 (SCR version)	printer only: 45.7 oz (1.29 kg) with batteries & paper roll: 60 oz (1.7 kg)
Drop Specification	4 ft (1.2 m) (tested with terminal)

User Environment

Operating Temperature	4° F to 131° F (-20° C to 55° C)
Storage Temperature	-40° F to 158° F (-40° C to 70° C) (without hand-held computer)
Charging Temperature	32° F to 122° F (0° C to 50° C)
Relative Humidity	10% to 90% non-condensing
ESD Protection	8 kV Air, 4 kV contact

Communications

Serial	RS-232, up to 38.4k baud
Wireless PAN Network Environment Protocol	Integrated Bluetooth module Ad hoc or piconet network environments Supports version 1.1 and 1.2 of the Bluetooth standard (SIG certified)
Cradle	Standard 7900 interface

Print Technology

Printhead	832 dots across, 203.2 dpi (8 dots/mm)
Printhead Life	400,000,000 dot lines @ 25%
Print Speed	Up to 2" per second

Media

Type	Direct thermal paper, labels
Capacity	2.25" maximum roll diameter
Width	4.41" (11.2 cm)

Power Source

Battery	7.2V Lithium-Ion (Li-ion), 2200 mAh (two batteries for a total of 4400 mAh)
DC Input 1	(AC Adapter) 12-15V, built-in spike and surge protection

Battery Characteristics

Type	7.2V Lithium-Ion (Li-ion), 2200 mAh (two batteries for a total of 4400 mAh)
Endurance **Serial**	Prints approx. 13,440" or 2,240 – 6" receipts on a single battery charge
Bluetooth	Prints approx. 9,102" or 1,517 – 6" receipts on a single battery charge
Battery Life	80% of original capacity after 500 cycles
Printer Recharging	7-9 hours from AC adapter or cigarette lighter adapter
Hand-Held Recharging	3.25 hours from AC adapter or cigarette lighter

Fonts & Languages

Memory Capacity	Flash/RAM Memory **PrintPAD 7900 Serial**: 4/1 Mbit Flash/RAM Memory **PrintPAD 7900 Bluetooth**: 8/4 Mbit
Standard Fonts	5.5CPI, 7.2CPI, 10.2 CPI, 10.7CPI, 15.6CPI,18.5CPI, 20.4CPI, 22.6CPI & 34.0CPI (additional fonts available)
International Characters Available	Arab-T, Arab-S, Arab-E, Asian-A, Asian-B, shiftJIS, Greek, OCRA, OCRB, Unicode subset including Latin & Thai (additional international characters available)
Bar Codes	Prints 1D and 2D bar codes
Graphics	Supports storage of graphics/logos in Flash memory and transient "print once" graphics

Agency Approvals

FCC B, CE, C-Tick, E-Mark

Warranty

2 years (including printer case and printhead*)

Options / Accessories

- 3" Spindle Bracket
- AC Adapter
- Battery
- Cigarette Lighter Adapter
- Cleaning Cards
- Cleaning Kit
- DB9 F Download Cable
- DEX Cable
- Hand Strap
- Magnetic Stripe/Smart Card Reader
- Paper
- Settlement Room Bracket
- Shoulder Strap

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