



The Most Reliable Portable Printers®

RP™ Route Printer™ (Symbol®-compatible)

The Route Printer Series is a portable, full-page dot matrix printer that is rugged enough to be used in the cab of a truck or carried into a remote receiving area. The RP 1000 and RP 2000 accommodate Symbol PDT 8000 and monochrome/color versions of the PDT 8100, as well as PDT 8056 and MC 9000. Both the RP 1000 and RP 2000 versions feature an intelligent cradle that allows the terminal to communicate with the printer as well as charge the batteries.

The RP 2000 with Symbol Spectrum24® wireless local area network (WLAN) or Bluetooth® wireless personal area network (WPAN) enables the printing of receipts and invoices wherever they are needed. The features of this one-piece printing solution include:

- Paper capacity of up to 200 sheets of 8.5" x 11" paper.
- Ability to print 4-part delivery receipts and invoices.
- Unique paper feed design that literally eliminates paper jams.
- In-vehicle 12-volt system or internal battery pack.

Ease of Use Minimizes Training. The RP printer automatically "wakes up" upon receipt of data and returns to sleep mode after printing, ensuring maximum battery life.

Investment Protection. Printer fonts and the operating system are stored in Flash memory, so upgrading using the office PC is easy. The RP Series speaks your language – any language. In cooperation with Bitstream® fonts, any international character set can be added. This ensures that RP Series printers will meet your language needs today and tomorrow.

Wireless LAN Connectivity. The RP 2000, when used with the Symbol Spectrum24 wireless network, features WLAN communications. This provides communication as well as the ability to synchronize with the WLAN and balance end-of-day summary trips. Information is rapidly transmitted wirelessly, eliminating line-up in the settlement room.

Rugged and Reliable. With uncompromising standards, the RP is 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.



"The O'Neil printer has been a workhorse for us since the day we started using it four years ago. It's tough. Ash, dust doesn't bother it. It doesn't break. We had a truck run over one, and all we had to do was change the case."

Alejandro Amézquita
Electronics Shop S.A.

▶ Wireless Bluetooth® or 802.11b

The RP offers either 802.11b or Bluetooth wireless options. Our WLAN solution incorporates a user installable Cisco® PC card (PCMCIA) or Symbol Spectrum24 PC card (PCMCIA), which connects the RP 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, users can realize all of the convenience, power efficiencies and cost benefits of the WPAN.



Standard Features at a Glance

- Supports Symbol® PDT 8000, PDT 8056, PDT 8100 and MC 9000 hand-held computers for critical route accounting applications.
- Battery pack supplies power to print up to 201 one-page invoices.
- Supports international character sets, graphics and any Bitstream® font or language to support worldwide applications.
- Intelligent power management settings extend battery life.
- Unique paper feed design eliminates paper jams.
- Cords and adapters are neatly stored and ready for immediate use.



RP™

Specification Highlights RP™ Route Printer™ (Symbol®-compatible)

Physical Characteristics ¹	RP™ 1000	RP™ 2000, Radio Ready	RP™ 2000, Bluetooth®	RP™ 2000, 802.11b
Dimensions	14" x 17.5" x 5.125" (35.6 x 44.5 x 13 cm)	14" x 17.5" x 5.125" (35.6 x 44.5 x 13 cm)	14" x 17.5" x 5.125" (35.6 x 44.5 x 13 cm)	14" x 17.5" x 5.125" (35.6 x 44.5 x 13 cm)
Weight (printer only)	130.2 oz (3.691 kg)	129.7 oz (3.677 kg)	131.5 oz (3.691 kg)	131.6 oz (3.731 kg)
Weight (with batteries & paper)	147.4 oz (4.179 kg)	146.1 oz (4.142 kg)	149.5 oz (4.238 kg)	149.6 oz (4.241 kg)
Drop Specification:	3 ft (0.9 m)	3 ft (0.9 m)	3 ft (0.9 m)	3 ft (0.9 m)

¹Physical Characteristics indicated represent RP for PDT 8100. Physical Characteristics for RP for MC 9000 available upon request.

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	8 kV Air, 4 kV contact

Communications

Wireless LAN	Cisco® Aironet® 350 Series PC Card (PCMCIA) Symbol® Spectrum24® LA 4121 (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)
Authentication	Open or Shared key
Encryption	None, 40 bit, 128 bit WEP
DHCP	Supported
DNS	Supported
Wireless PAN	Integrated Bluetooth module
Network Environment	Ad hoc or piconet network environments
Protocol	Supports version 1.1 and 1.2 of the Bluetooth standard (SIG certified)
Interfaces	RP 1000: RS-232 Serial, up to 38.4k baud RP 2000: RS-232 Serial, up to 115.2k baud
Cradle	Standard Symbol 8000, 8056 or 8100 interface connector

Print Technology

Printhead	9 pin impact
Printhead Life	1 million dots
Print Speed	RP 1000: 180 characters per second RP 2000: 270 characters per second
Ribbon Cartridge	2,000,000 characters

Media

Type	8.5" x 11.5" / A4
Capacity	Up to 200 sheets 1-ply paper (fan-folded) Up to 600 sheets (using extended paper tray)

Power Source

Battery	12V NiMH, 4000 mAh (DR36®)
DC Input 1	(AC Adapter) 12-15V, built-in spike and surge protection
DC Input 2	(Cigarette Lighter Adapter) 12-15V, built-in spike and surge protection

Battery Characteristics

Type	12V NiMH, 4000 mAh (DR36®)
Endurance	
RP 1000	Prints approximately 178 - 11" invoices on a single battery charge
RP 2000 Radio Ready (for MC 9000)	Prints approximately 201 - 11" invoices on a single battery charge
RP 2000 Bluetooth	Prints approximately 180 - 11" invoices on a single battery charge
RP 2000 802.11b	Prints approximately 180 - 11" invoices on a single battery charge
RP 2000 Spectrum24	Prints approximately 174 - 11" invoices on a single battery charge
Battery Life	80% of original capacity after 300 cycles
Printer Recharging	3.5-4.5 hours from AC adapter or cigarette lighter
Hand-Held Recharging	Approximately 3 hours (depending on hand-held model) from AC adapter or cigarette lighter

Agency Approvals

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

Fonts & Languages

Memory Capacity	Flash/RAM Memory RP 1000: 4/1 Mbit Flash/RAM Memory RP 2000: 8/4 Mbit
Available 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 storage of graphics/logos in Flash memory and transient print once graphics

Warranty

1 year (including printer case and printhead*)

Options / Accessories

• AC Adapter	• Extended Paper Tray
• Battery	• Fuse Box Power Cable Kit
• Cleaning Cards	• Paper
• Cigarette Lighter Adapter	• Power Extension Kit
• Download Cable	• Ribbon/Purple Ribbon

*When used with approved ribbon.

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Rev. 1 1/05 Made in the U.S.A.



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