

# SPT 1800 Series



## POCKETABLE COMPUTERS

### Rugged Mobility, Efficient Data Management and the Power of Palm™

The SPT 1800 Series of pen-notepad computers offers the most advanced Palm Powered™ solution for your work force. This family of rugged mobile computers combines integrated scanning, sophisticated wireless connectivity and powerful processing capability with the Palm OS® platform. With 1-D bar code data capture and wireless local area network (WLAN) or wireless wide area network (WWAN) communications, the SPT 1800 Series is a powerful productivity-enhancing tool, serving the multiple needs of today's growing mobile workforce.

### Tackle Tough Environments

Tough enough for use in manufacturing and industrial environments, the SPT 1800 Series enables the Palm OS to perform practically anywhere. The rugged SPT 18XX housing is sealed to IP54 standards for protection against rain and dust, and withstands 4 ft./1.2 m drops to concrete.

Symbol's state-of-the-art scan engine with bright, easy to see scan line, delivers premium scanning performance under virtually any lighting condition—even sunlight or bright artificial light. A high-contrast, anti-reflective liquid crystal display makes data easy to read in low lighting or outdoor conditions.

Integrated WLAN or WWAN communication extends the reach of IT resources, enabling real-time information flow between the point of activity and your remote host system. The WWAN GSM version has voice capabilities, offering additional flexibility for wireless communication, making your business truly mobile.

### Empower Your Work Force

The combination of rugged durability, integrated bar code scanning and wireless communication enables users in a host of industries to capture, compute and communicate data anytime, anywhere.

As shipments are unloaded, warehouse management can easily record new inventory levels to networked host systems. Service professionals in hospitality can offer curbside check-in at hotels, and hospital physicians and caregivers can have the latest patient data at hand.

Law enforcement officers can scan vehicle registration or drivers' licenses to gather information immediately, and wireless WAN communication enables them to send and receive information from the point of activity. In retail, when coupled with a magnetic stripe reader and portable printer, the SPT 1800 becomes a portable point-of-sale device, and, for scan-intensive tasks, an attachable handle converts the SPT 1800 into an ergonomic pistol grip design.



Features	Benefits
Spectrum24® Wireless LAN connectivity option	Enables full mobility with real-time data transmission to and from network information systems
Wireless WAN connectivity	Extends access to information beyond the enterprise
Palm OS®	Easy-to-use and developer-friendly
Rugged housing meets IP54 standards	Withstands typical workday usage and tough industrial environments
Integrated miniature scan engine	Fast, reliable bar code scanning delivers increased efficiency and accurate data capture
8 or 16 MB of RAM and 4 MB of ROM	Accommodates application needs and memory demands
High-contrast liquid crystal display with enhanced backlight	Offers increased visibility for user comfort and acceptance
Rechargeable Lithium Ion battery plus a 1-hour Ni-MH backup battery	Long battery life enables full workday capacity plus extended backup ensures against data loss
Supports single-slot serial and modem cradles/multi-slot serial and Ethernet cradles	Flexible host communications conveniently support various network environments

### Mobile Solutions

Deployment of the SPT 1800 can help increase efficiency and productivity in your business, and a complete line of accessories and peripherals are available to create a total mobile solution. To learn more about the SPT 1800 Series or any of our innovative products, contact us at any of the locations listed on the back panel or visit us at [www.symbol.com](http://www.symbol.com)

# SPT 1800 Specification Highlights

## Physical Characteristics

Dimensions:	1 in. H x 3 5/8 in. W x 7 in. L 25.4 mm H x 92 mm W x 177.8 mm L
Weight (including battery):	Batch version: 10.6 oz/300 gm; Wireless version: 12.2 oz./346 gm
Battery:	3.7 V, 1550 mAh rechargeable lithium ion
Drop Specification:	4 ft./1.2 m to concrete
Environmental Sealing:	IP54 (windblown dust and rain)
Display:	High contrast, anti-reflective 160 x 160 monochrome LCD display
Operating Temperature:	-4° to 122°F/-20° to 50°C
Storage Temperature:	-13° to 122°F/-25° to 50°C
Humidity:	5% to 90% RH noncondensing
Electrostatic Discharge (ESD):	8kVdc air, 4kVdc contact

## Performance Characteristics

CPU:	DragonBall VZ – 33 MHz
Operating System:	Palm OS®
Memory:	8 MB RAM / 4 MB ROM 16 MB RAM / 4MB ROM (Batch version)
Application Development:	AppForge, CodeWarrior, MCL, PendragonForms, PenRight! and SatelliteForms
Synchronization Tools:	Aether ScoutWare, AvantGo
Communications:	IrDa 1.0

## Wireless Local Area Network Characteristics

Wireless Local Area Network:	Symbol Spectrum24® IEEE 802.11 airwaves standard compliant / IEEE 802.11b
Radio Transmission Technique:	Frequency Hopping / Direct Sequence
Data Rate:	2 Mbps / 11 Mbps
Antenna:	Internal
Range:	Open space: up to 1000 ft./303 m Typical: 180 to 250 ft./54 to 76 m
Output Power:	500mW U.S.; 100 mW International
Frequency Range:	Country dependent, typically 2.4 to 2.5 GHz

## Wireless Wide Area Network Characteristics

Network:	CDPD - 900 MHz, GSM - 900/1800 MHz
Output Power:	CDPD 600MW; GSM 2W
Data Range:	CDPD up to 19.2 Kbps; GSM up to 14.4 Kbps
Antenna:	External
Frequency Range:	CDPD 824-894 MHz; GSM 880-960 MHz and 1710-1880 MHz

## Peripherals and Accessories

Cradles:	Vehicle, modem, single/four-slot serial, four-slot charge only and four-slot Ethernet
Communication and Charging Cradles:	Serial/charging in terminal battery
Trigger Handle:	Via serial connection, attaches and converts SPT 18XX into a gun style device for scan-intensive applications
Magnetic Stripe Reader (MSR):	Serial connection for MSR readability
4-Slot Universal Battery Charger (UBC):	Recharges multiple batteries; battery adapter: used with Symbol's Universal Battery Charger
Headset:	For GSM applications only

## Printer Cables

O'Neil:	CBL-PT00100-ON1, CBL-PT00100-ON2
Paxar/Monarch:	CBL-1700-100-MON1, CBL-1700-100-MON2
Zebra/Comtec:	CBL-1700-100-CTC, CBL-1700-100-ELT

## Regulatory

Electrical Safety:	Certified to UL 1950, CSA C22.2 No. 950; EN60950:1992/IEC950
EMI/RFI:	FCC Part 15 Class B, ICES-003 Class B, European Union EMC Directive, Australian SMA
Laser Safety:	CDRH Class II, IEC Class 2



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