

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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