

SPT 1700 and SPT 1700-2D



POCKETABLE COMPUTERS

Rugged Pocketable Computers with Wireless LAN and PDF417 Capabilities

The SPT 1700 family continues the revolution of pocketable computing, combining integrated scanning, sophisticated connectivity and ruggedness with the popular Palm® platform. The SPT 1700 offers ruggedized data communications capabilities with its built-in link to the open architecture of Spectrum24®. This wireless LAN from Symbol Technologies enables up-to-the-minute information flow between the point of activity and your remote host systems.

The newest addition to the Symbol SPT 1700 family, the SPT 1700-2D, offers flexible 1D and entry-level PDF417 bar code data capture. Available in both batch and wireless configurations, the SPT 1700-2D complements the SPT 1700 product family, further expanding the capabilities of a proven productivity tool.

Empower Your Work Force

The feature-rich SPT 1700 product family extends the reach of IT resources in a host of industries. Warehouse management can easily record new inventory levels to networked host systems as shipments are unloaded. Service professionals in hospitality can offer curbside check-in at hotels, and hospital physicians and caregivers can have the latest patient data at hand. Additionally, with its PDF417 scanning abilities, the SPT 1700-2D enables law enforcement officers to scan vehicle registration or drivers' licenses to gather information immediately. Trade show and conference staff have the ability to process attendee information in real time. And transportation and logistics professionals can now scan bills of lading and other documents encoded with PDF417 two-dimensional bar codes, reducing paperwork handling at the loading dock.

Detailed attention to ergonomics and sleekly rounded edges provide a secure fit in the hand. At 7 in./17.8 cm high the SPT 1700 easily slips into a pocket. Weighing just 10.3 oz./288 gm, this powerful productivity tool is a perfect fit for mobile workers.

The scan engine in the SPT 1700 family is the SE 900 from Symbol Technologies. This state-of-the-art scan engine, the smallest, lightest and brightest available today delivers premium performance even at ranges of up to 30 in./76.2 cm. The SPT 1700-2D houses the SE 900HS high-performance scan engine, optimized for PDF417.

Tackle Tough Environments

Tough enough for use in manufacturing and industrial environments, the ruggedized housing withstands drops of up to 4 ft./1.2 m to concrete. Tested to IP54 standards for protection against rain and dust, these computers can be used outdoors on



Features	Benefits
Spectrum24 Wireless LAN connectivity option	Transmits data to and from network information systems in real time
Rugged housing meets IP54 standards	Stands up to tough industrial environments
Integrated SE 900/SE 900HS scan engine	State-of-the-art scan engine delivers premium performance
Rechargeable lithium-ion battery	Flexible and convenient for demanding environments
2 MB of RAM and ROM with optional 8 MB RAM and 4 MB ROM available	Memory flexibility to accommodate application demands
Palm OS™ operating system and development environment	Readily available development tools including AvantGo, CodeWarrior, SatelliteForms, Aether ScoutWare, and PenRight! Ask Symbol about other development tools
Supports single-slot serial and modem cradles and multi-slot serial and Ethernet cradles	Flexible host communications for most network and user environments

loading docks and yards and, because they use a 650 nm laser diode, you will still see the scan beam—even in bright sunlight!

A high-contrast, anti-reflective liquid crystal display makes data easy to read in low light or outdoors. A rechargeable lithium-ion battery and optional single- and multi-slot cradle configurations assure flexible convenience and strong performance no matter how intensive the task.

Tailor Solutions with Ease

Using the Palm platform, programmers can build solutions from numerous standard development environments. A standard 2 MB of RAM expands up to 8 MB for large data or program storage demands. Flash ROM expands from 2 MB to 4 MB. Developers can use standard Palm OS™ development tools to write custom applications quickly and inexpensively. The development tool kit includes Symbol Application Program Interfaces (API) that control the scanner, enable local area network communications, and manipulate data input and

printing using the serial or infrared ports. Software development tools including CodeWarrior, SatelliteForms™, PenRight!, AvantGo and Aether ScoutWare, support APIs from Symbol in their application development tool sets.

To find out how your company's mobile professionals can save time and paperwork using the innovative SPT 1700 and SPT 1700-2D pocketable computer from Symbol Technologies, contact any of the convenient locations listed below, or visit us at www.symbol.com/palm

SPT 1700/1700-2D 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: 10.3 oz./288 gm; Wireless version: 11.8 oz./330 gm
Drop Specification:	4 ft./1.2 m to concrete
Battery:	3.7 V, 1400mAh rechargeable lithium ion
Environmental Sealing:	IP54 (windblown dust and rain)
Operating Temperature/Storage Temperature:	-20° to 50°C/(-4° to 122°F); -25° to 50°C/(-13° to 122°F)
Humidity:	5% to 90% RH non-condensing
ESD:	8kVdc air, 4kVdc contact
Scan Engine:	SE 900/SE 900HS
Performance Characteristics	
CPU:	Motorola DragonBall
Operating System:	Palm OS™ 3.5
Memory (batch and wireless versions):	SPT 1700: 2 MB/2 MB, 2 MB/8 MB, 4 MB/8 MB SPT 1700-2D: 2 MB/8 MB, 4 MB/8 MB
Application Development:	CodeWarrior, SatelliteForms, PenRight!, AvantGo, and Aether ScoutWare
Display:	High contrast, anti-reflective 160 x 160 LCD display
Peripherals and Accessories	
Cradles:	Vehicle, modem cradle, single- and four-slot serial cradle, and four-slot Ethernet cradle
Communication and Charging Cable:	Serial/charging in terminal battery
Magstripe Reader (MSR):	Serial connection for MSR readability
4-Slot Universal Battery Charger:	Recharges multiple batteries; battery adapter: used with Symbol's Universal Battery Charger
RF Data Communications	
Network:	Symbol Spectrum24 IEEE 802.11 airwaves standard compliant/IEEE 802.11b
Spreading Technique:	Frequency Hopping/Direct sequence (11 Mbps only)
Data Rate:	1 Mbps/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:	500 mW U.S.; 100 mW International
Frequency Range:	Country dependent, typically 2.4 to 2.5 GHz
Regulatory	
Electrical Safety:	Certified to UL1950, CSA C22.2 No. 950, EN60950/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

EN410 CE



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