PPT 8800 Series with Windows® CE .NET

Small, Rugged and Packed with Power

The PPT 8800 from Symbol Technologies combines superior data capture capability and wireless communications in a rugged handheld computer that is the smallest and lightest device in its class.

The PPT 8800 puts powerful real-time information right in the pocket of the mobile worker and is available with software, peripherals, accessories and services that add compelling value to the operations of companies and enterprises worldwide. The PPT 8800 is ideal for use in many environments where up-to-date information is needed at the point of activity, including but not limited to:

- Retail
- Field Service
- Public Safety
- Healthcare
- Hospitality

Mission-Critical Applications

Designed for mobile workers and managers within the enterprise who require a rugged, high-performance, handheld computer far more durable and reliable than typical consumer devices, the PPT 8800 is powerful enough to execute mission-critical applications, yet small and light enough to be carried in a pocket or on the hip.

The enterprise-friendly PPT 8800 comes packed with features that make it easy for global organizations to manage broad systems deployments.

Features	Benefits
Small and lightweight	Fits in your pocket or on the hip
Large and vibrant color display	Easy to see in many environments
Extremely rugged	Endures extreme temperatures and multiple drops to concrete
Sealed to IP54 standards	Protects against water and dust to ensure reliable performance in rough conditions
Laser bar code scanning	Accurate information capture every time
Wireless networking based on the standard IEEE 802.11b (WLAN) or Bluetooth™ (WPAN)	Enables real-time communications and decision making; secure mobile transactions and investment protection

Microsoft® Windows® CE .NET embedded operating system	Easy application development, worldwide support and a large global developer base
Intel® XScale™ architecture	High-speed CPU performance for robust enterprise applications
Rechargeable/replaceable lithium-ion battery	Maximum usage between charges helps to make mobile workers more efficient
Asian language support	Deployable in Japanese, Korean, Chinese Simplified and Chinese Traditional
Multiple keypad options	Flexible functionality and keypad layout that is perfectly suited for targeted applications
Supports AirBEAM®	Wireless device management specifically for enterprises

PPT 8800 Specification Highlights

Physical Characteristics

Dimensions:	1.3 in. H x 3.1 in. W x 5.7 in. L 33 mm H x 80 mm W x 146 mm L
Weight (including battery):	Batch: 10.1 oz/ 286 g WLAN: 10.8 oz/ 306 g
Display:	Transflective color TFT-LCD, 65K colors, 240 (W) x 320 (L) (QVGA size)
Touch Panel:	Glass analog resistive touch
Backlight:	LED backlight
Main Battery:	Rechargeable Lithium Ion 1700 mAh (3.7V)
Larger capacity battery option:	Rechargeable Lithium Ion 3400 mAh (3.7V)
Backup Battery:	Ni-MH battery (rechargeable), 15mAh (2.4V) 2 cells

Performance Characteristics

CPU:	Intel XScale 300 MHz processor
Operating Platform:	Microsoft® Windows® CE .NET 4.1
Memory:	32 MB RAM/ 32 MB ROM
Embedded options:	IEEE 802.11b Spectrum24 Bluetooth 802.15 with encryption support 128 MB Memory card
Communications:	IrDA standard v1.2 (115 kbps) Standard RS-232 (115 kbps)
Audio:	Speaker, microphone
Keypad Options:	Standard version and 15-key with power button version
1D Decode Capability:	UPC/EAN/JAN, Code 39, Code 93, Code 128, Interleaved 2 of 5, Discrete 2 of 5, NW-7, UCC/EAN-128
LED Display:	Upper front center (amber and green)
Scan Triggers:	Left and right trigger buttons

User Environment

Operating Temperature:	14° to 122° F/-10° to +50° C
Storage Temperature:	-13° to 158° F /-25° to 70° C
Environmental Sealing:	IP54 Category II
Humidity:	5% to 90% relative humidity (noncondensing)
Drop Specification:	4 ft./1.2 m drop to concrete
Ambient Light:	Indoor: 450 ft.-candles (4,842 LUX) Outdoor: 8,000 ft.-candles (86,112 LUX)
Electrostatic Discharge (ESD):	+/-15 kVDC (air); +/- 8 kVDC (contact)

Wireless Data Communications

Wireless Local Area Network (WLAN):	Network Optional IEEE standards-based Spectrum24® 802.11b
Data Rate:	11 Mbps (direct sequence)
Frequency Range:	Country dependent; typically 2.4 to 2.5 GHz
Output Power:	100 mW US; 100 mW international
Spreading Technique:	Direct Sequence
Antenna:	Internal
Wireless Personal Area Network (WPAN):	Bluetooth IEEE 802.15

Peripherals and Accessories

Larger Capacity Battery (LCB):	3400 mAh battery with door Kit, Spare 3400 mAh battery
Cradles:	Vehicle cradle with larger capacity battery (LCB) support; single-slot serial charging cradle with spare standard battery charging; single-slot B cradle with LCB support; four-slot Ethernet (connectivity); four-slot serial. Single-slot B and four-slot cradles support terminal with standard battery, terminal with LCB, or terminal with trigger handle attached
Communication and Cables:	Charging Synchronization/charging cable; worldwide power supplies and cables
4-Slot Universal Battery Charger (UBC):	Simultaneous charge of 1-4 batteries; requires adapters for PPT 8800 1700 mAh/3400 mAh batteries
Vertical-specific attachments:	Magnetic stripe reader, universal cable cup with attachable auto, DEX, printer, and USB cables
Other Accessories:	Holster with easy release clip; holster with velcro belt clasp and belt; slim carrying case; hand strap; neck strap

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
Hazardous Locations:	Certified to UL 913 and CAN/CSA C22.2 no. 157 for use in Class I, Division 2, Groups A, B, C, D