

*From controlled to extreme environments,  
a hand-held computer that gets the job done*



# IBM 2483 Integrated Laser Portable Transaction Computer

- **Battery-powered, hand-held, data collection RF radio device**
- **2.4-GHz direct sequence spread- spectrum technology**
- **Integrated bar-code laser scanner**
- **Liquid crystal display (16 x 21)**



The 2483 Integrated Laser PTC is a battery-powered, hand-held data collection RF device with an integrated bar-code laser scanner. The LCD can show up to 16 lines of information, each line up to 21 characters long. Data can be entered into host system applications using the 2483 PTC via the integrated bar-code laser scanner or through the PTC keypad. The three models of the 2483 PTC indicate the range of the integrated bar-code laser scanner.

# Product Overview

## Models

Three models of the 2483 are available:

- Model 5S0 with standard-range integrated laser scanner
- Model 5L0 with long-range integrated laser scanner
- Model 5X0 with extra long-range integrated laser scanner

## Spread-spectrum radio

The 2483 PTC uses a direct-sequence, spread-spectrum radio that operates in the radio frequency band from 2.4 to 2.4835 GHz to transmit the information to the host or network. Power for the PTC is supplied by a rechargeable 1400 mAH battery. The battery can be recharged by using either the optional fast charger (2 hours) or overnight (8 hours) using the trickle charger.

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### 2483 Integrated Laser PTC Optional Features/Accessories

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Description	Feature Code
External 4-Bay Fast Charger (with AC Adapter)	0061
Trickle Charger	9870
Flash Diskette	0063
TN5250 Emulation Software	0910
Shoulder Strap (same as included with FC 9901)	9900
Person Holster (includes hard plastic holder, adjustable belt, and shoulder strap)	9901
Table/Truck Mount Holster (includes hard plastic holder and metal bracket for mounting)	9902
Adjustable Belt (same as included with FC 9901)	9903
Nylon Case (with Adjustable Belt to be worn over shoulder or on waist)	9904
Flash EPROM Utility Cable	9932
Replacement Mono-Pole Antenna	9933
Replacement Wrist Strap	9938
Flash EPROM Utility Cable Adapter	9939
Spare NiCad Battery Pack, 1400 mAH	9985

Note: When ordering FC 9932 for machine type 2483 (all models), FC 9939 must also be ordered.

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# IBM 2483 Integrated Laser Portable Transaction Computer Specifications

<b>Machine type</b>	2483
<b>Physical specifications</b>	Length: 211 mm (8.3 in.) Width: 89 mm (3.5 in.) Thickness: 53 mm (2.1 in.) Height: 183 mm (7.2 in.) Weight: 0.87 kg (1.88 lb.)
<b>Operating environment</b>	<ul style="list-style-type: none"> <li>• Operating temperature: 0° to 40°C (32° to 104°F)</li> <li>• Electrical Power: NiCad battery pack</li> </ul>
<b>Software/operating systems</b>	MS-DOS 5.0 Standard 5250 emulation software for Models 5S0 and 5L0 Standard PTC/TCP ANSI/VT220 for Models DS0 and DL0
<b>Hardware requirements</b>	<ul style="list-style-type: none"> <li>• IBM AS/400® Wireless LAN Adapter (FC #2668)</li> <li>• One or more 2.4-GHz Wireless LAN Access Point E00s or TR0s (optional)</li> </ul>
<b>Software requirements</b>	<ul style="list-style-type: none"> <li>• AS/400 host: Operating System/400® Version 3.1 or higher capable of supporting wireless connectivity or</li> <li>• Wireless connection for AS/400 (5798-TBW)</li> </ul>

## Laser scanner working-distance

Optional standard-range, long-range, and extra long-range scanner models are available for use with the 2482. With each model the scanning range of distance depends upon the width of the bar code.

### Standard-Range Laser Scanner - Feature Code 9796

Bar code width	Scanner working-distance range
5 mil	x <sup>n</sup> to 76.20 mm (x <sup>n</sup> to 3 in.)
15 mil	x <sup>n</sup> to 406.4 mm (x <sup>n</sup> to 16 in.)
55 mil	x <sup>n</sup> to 1016 mm (x <sup>n</sup> to 40 in.)

\* An x indicates that the minimum distance is determined by the symbol length and the scan angle.

### Long-Range Laser Scanner - Feature Code 9797

Bar code width	Scanner working-distance range
15 mil	101.6 to 812.8 mm (4 to 32 in.)
40 mil	304.8 to 1930.4 mm (12 to 76 in.)

### Extra Long-Range Laser Scanner - Feature Code 9798

Bar code width	Scanner working-distance range
15 mil	914.4 to 1524 mm (36 to 60 in.)
100 mil	1219.2 to 5181.6 mm (48 to 204 in.)
30 mil (retro-reflective)	2438.4 to 3657.6 mm (96 to 144 in.)
100 mil (retro-reflective)	3048 to 10668 mm (120 to 420 in.)

Technical notes for the range tables above

- Unless noted, the bar codes were printed on paper.
- The measurements were taken at room temperature, scanning photographic-quality bar codes.
- Specifications are subject to change without notice.

<b>Warranty</b>	1 year
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## Key Customer Benefits

- Combines the advantages of mobility and real-time host connected computing.
- Rugged, sealed unit designed to be used in harsh environments.
- Integrated bar-code laser scanner.

## Supplementary Information

The following sales tools are available for the IBM 2483 Integrated Laser Portable Transaction Computer:

- Information on the 2483 Integrated Laser Portable Transaction Computer and related products is available at: [www.networking.ibm.com/wireless](http://www.networking.ibm.com/wireless).