

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



IBM 2486 Portable Transaction Computer

- **Hand-held, wireless data collection device (2.4 GHz)**
- **Rugged ergonomic design**
- **Optimum performance with two processors**
- **Security, auditability and control**



The IBM 2486 Portable Transaction Computer (PTC) is a compact, full-function, battery-powered, hand-held RF wireless computer used to collect, store and transmit data. Its design features a 2.4-GHz DSSS radio and an integrated laser scanner angled down 20 degrees, facilitating scanning with minimum movement.

The latest offering in the 2.4-GHz Wireless LAN family, the 2486 is a smaller, lighter, more durable unit than its predecessors. The smooth, aesthetically pleasing contours enhance grip positions for all hand sizes. Its sleek, user-friendly case easily accommodates use with either hand.

Product Overview

Rugged ergonomic design

The 2486 has been designed for superior tolerance to environmental and temperature extremes. You can use it with equal ease in controlled environments such as retail and health care, and in harsh environments such as warehousing, manufacture and transportation. For this reason it is sealed against dust and moisture, and you can automatically scan bar codes using the 2486's object-sense logic or the scan button.

Optimum performance

Two processors give you optimum performance with your 2486. The first is a V20/80C88 microprocessor running at 10 MHz for terminal processing. The second is a Z192 microprocessor dedicated exclusively to RF communications, at 2.4 GHz. The radio allows the 2486 to communicate with other 2.4-GHz products in the flexible, IBM Wireless LAN environment.

The 2486 features 256-KB operating system flash EPROM, 256-KB application flash EPROM and standard 1-MB RAM.

The 2486 is preloaded with the MS-DOS 5.0 operating system and a terminal emulator program such as SNA5250 (now with TIP support for use with the AS/400® Wireless Connection LPO) or TN5250 or PTC/TCP ANSI/VT220, depending on the model you choose (see "Four models to choose from").

Data security

You can be assured of data security wherever you use the 2486. As with any wired emulation terminal, the 2486 uses the security and auditability features of the host system, along with the inherent security of the direct-sequence spread-spectrum radio modulation technology. Developed by the U.S. Army, DSSS provides one of the most secure RF transmission technologies available.

Four models to choose from

Four models of the 2486 are available:

- Model 5S0, with a standard-range (127- to 508-mm [5- to 20-in.]) laser scanner and a 5250 emulation keypad
- Model 5L0, with a long-range (305- to 1524-mm [12- to 60-in.]) laser scanner and a 5250 emulation keypad

Both Models 5S0 and 5L0 can be ordered with either SNA5250 or TN5250 emulation software (one is required). TN5250 emulation software is a telnet version of 5250 emulation software.

- Model DS0, with an integrated, standard-range laser scanner and a DOS keypad and PTC/TCP ANSI/VT220 emulation software
- Model DL0, with all the features of Model DS0, except that Model DL0 has a long-range scanner

Year 2000 ready

The IBM 2486 Portable Transaction Computer is Year 2000 ready when used in accordance with its associated documentation and is capable of correctly processing, providing and receiving data within and between the 20th and 21st centuries, provided that all other hardware, software and/or firmware used with the product properly exchange accurate data with it.

2486 Portable Transaction Computer Specifications

Physical specifications	Width: 97 mm (3.8 in.) Depth: 51 mm (2 in.) Length: 246 mm (9.7 in.) Weight: 0.6 kg (1.3 lb)
Operating environment	<ul style="list-style-type: none">• Operating temperature: 0° to 50°C (32° to 120°F)• Storage temperature: -29° to 60°C (-20° to 140°F)• Electrostatic discharge: 15 kV causes no damage 8 kV shock causes no lockup or data loss• Certification: FCC Part 15, Class A Digital Device DOC CS-03
LEDs	<ul style="list-style-type: none">• Batt: glows when the 2486 battery pack is running out of power• Func: glows when the Func key is pressed• Chg: glows when the battery pack is being charged• Scan: glows red when the laser scanner has successfully read a bar code
Hardware requirements	<ul style="list-style-type: none">• An AS/400 host with an AS/400 Wireless LAN Adapter, or Wireless Connection License Program 5798-TBW for Models 5S0 and 5L0• A host that supports ANSI VT220 emulation for Models DS0 and DL0• A 2480-E00 or 2840-TRO if using a wired LAN backbone for any of the models (required for most environments)
Software requirements	<ul style="list-style-type: none">• None for the 2486; however, when connecting to an AS/400 host, the AS/400 must have either:<ul style="list-style-type: none">- OS/400® V3R1 or higher if using the AS/400 Wireless LAN Adapter- OS/400 V4R1 or higher if using the Wireless connection for AS/400 (5798-TBW)
Cabling requirements	None
Packaging	<ul style="list-style-type: none">• The 2486 carton contains one 2486 Portable PTC, a User's Manual, an Emulation Guide* and a Customer Satisfaction Card. <p>* <i>5250 Emulation User's Guide</i>, <i>TN5250 Emulation User's Guide</i> with Models 5S0 and 5L0 or <i>PTC-TCP ANSI User's Guide</i> with Models DS0 and DL0</p>
Site survey	A professional site survey is recommended to determine appropriate RF coverage and ensure an effective configuration before the purchase of Wireless LAN products. Survey results will determine the recommended equipment to be ordered and its placement in your environment. The <i>AS/400 Wireless Network Installation Planning Guide</i> , G571-0303 is available to help you prepare for a wireless installation. The <i>AS/400 Wireless Site Survey Guide</i> , G571-0339 is available to help you prepare for a Wireless LAN site survey.

Key Customer Benefits

- User-friendly case easily accommodates use with either hand
- Contoured to enhance grip positions for all hand sizes
- Designed for optimum performance, utilizing two processors for terminal processing and RF communications
- Enhanced operating system and application software, including a variety of terminal emulators

Supplementary Information

The following sales tools are available for the 2486 Portable Transaction Computer:

- Specification sheet:
IBM 2486 Portable Transaction Computer, G224-4561
- Information on the 2486 Portable Transaction Computer is available at:
www.networking.ibm.com/wireless