

*From controlled to extreme environments,
a forklift computer that gets the job done*



IBM 2484 Industrial Portable Transaction Computer

- **Battery- or ac-powered data collection RF radio device designed for use on forklifts**
- **NEMA-style waterproof case**
- **Heavy-duty industrial bracket for vehicle or workstation mounting**
- **Vacuum fluorescent display (8 x 40)**



IBM 2484 Industrial Portable Transaction Computer

The 2484 Industrial PTC is a battery- or ac-powered data collection RF device designed for installation in harsh environments. It features a NEMA-style waterproof case with a heavy-duty industrial bracket for vehicle or workstation mounting. The screen is a scrolling, blue-green, vacuum fluorescent display that can show 8 lines of information, each line up to 40 characters long. Data can be entered into AS/400® applications using the 2484 PTC via an optional bar-code laser scanner or through the PTC keypad.

Product Overview

Spread-spectrum radio

The 2484 Industrial 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 ac or a forklift battery.

Models

Two models of the 2484 are available:

- Model 520 for use on vehicles with 12V dc batteries
- Model 540 is for use on vehicles with 24 to 72V dc batteries

An optional ac power pack is available and can be used with model 540 to power the 2484 PTC from an ac power source.

Both models ship with a mounting bracket, a detachable dipole antenna, and a power cable.

2484 Industrial PTC Optional Features/Accessories

Description	Feature Code
Standard-Range Laser Scanner (High Performance) with 6 ft. Cable & Fischer Connector	0012
Long-Range Laser Scanner (Industrial Performance) with 6 ft. Cable & Fischer Connector	0013
Extra-Long Range Laser Scanner (Industrial Performance) with 6 ft. Cable & Fischer Connector	0014
Standard-Range Laser Scanner (High Performance) with 15 ft. Cable & Fischer Connector	0015
Long-Range Laser Scanner (Industrial Performance) with 15 ft. Cable & Fischer Connector	0016
Extra Long-Range Laser Scanner (Industrial Performance) with 15 ft. Cable & Fischer Connector	0017
Magnetic Mount Antenna (includes magnetic base, dipole antenna, and 5 ft. antenna cable)	0018
Replacement Laser Scanner Cable, 6 ft., Fischer Connector	0019
Replacement Laser Scanner Cable, 15 ft., Fischer Connector	0020
5 ft. Antenna Cable	0021
TN5250 Emulation Software	0910
Flash Diskette	0063
Replacement Dipole Antenna	5191
Standard-Range Laser Scanner (Industrial Performance) with 6 ft. Cable & Fischer Connector	5501
Standard-Range Laser Scanner (Industrial Performance) with 15 ft. Cable & Fischer Connector	5510
AC Power Pack; U.S.A. (Model 540 only)	9832
Fuse, 4A	9833
Flash EPROM Utility Cable (1)	9940
PTC 2484-520 Mounting Assembly Kit (including Power Cable)	9942
PTC 2484-540 Mounting Assembly Kit (including Power Cable)	9943
Replacement PTC 2484-520 Power Cable	9944
Replacement PTC 2484-540 Power Cable	9945

IBM 2484 Industrial Portable Transaction Computer Specifications

Machine type	2484
Physical specifications	Height: 229 mm (9 in.) Depth: 76 mm (3 in.) Length: 305 mm (12 in.) Weight: 6.8 kg (15 lb.)
Operating environment	<ul style="list-style-type: none"> • Operating temperature: -30° to 50°C (-4° to 120°F) • Electrical Power: Vehicle battery 10 to 16V dc or 24 to 72 V dc
Software/operating systems	MS-DOS 5.0 Standard 5250 emulation software for Models 5S0 and 5L0 Standard PTC/TCP ANSI/VT220 for Models DS0 and DL0
Hardware requirements	<ul style="list-style-type: none"> • IBM AS/400 Wireless LAN Adapter (FC #2668) • One or more 2.4 GHz Wireless LAN Access Point E00s or TR0s (optional)
Software requirements	<ul style="list-style-type: none"> • AS/400 host: Operating System/400® system Version 3.1 or higher capable of supporting wireless connectivity or • Wireless connection for AS/400 (5798-TBW)

Laser scanner working-distance

Optional standard-range, long-range, and extra long-range scanner models are available for use with the 2484. 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 ⁿ to 76.20 mm (x ⁿ to 3 in.)
15 mil	x ⁿ to 406.4 mm (x ⁿ to 16 in.)
55 mil	x ⁿ to 1016 mm (x ⁿ 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.

Warranty	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.
- Can use this same device on forklifts in conjunction with other data collection devices in a 2.4GHz wireless backbone environment.

Supplementary Information

The following sales tools are available for the IBM 2484 Portable Transaction Computer:

- Information on the 2484 Portable Transaction Computer and related products is available at:
www.networking.ibm.com/wireless