**IBM**®

# Options by IBM:  IBM USB Keyboard with UltraNav

## Overview

The USB Keyboard with UltraNav is the ultimate accessory for the ThinkPad® or NetVista™ user. Utilizing the same keyboard and UltraNav pointing device hardware as the legendary ThinkPad system, this keyboard lets all users share the ThinkPad experience.

In addition, the keyboard is the perfect complement to a ThinkPad replicator or docking station because it is the only external keyboard that enables ThinkPad features such as ThinkPad speaker volume, external monitor control, brightness, and system sleep and suspend (on supported ThinkPad systems).

## Key Prerequisites

- IBM-compatible desktop or ThinkPad notebook system

- USB port

*Product Numbers:*  31P8950, 31P8977

*Planned Availability Date*

March, 2003

## At a Glance

The USB Keyboard with UltraNav features:

- The same keyboard as ThinkPad systems, offering the same look and feel whether using a NetVista or ThinkPad, or with a port replicator or docking station

- Integrated UltraNav that lets you use TrackPoint®, touchpad, or both pointing devices

- Two-port USB Hub for attaching additional USB devices

- External keyboard that enables ThinkPad speaker volume, external monitor control, brightness, system sleep and suspend (on supported ThinkPad systems)

- Support for Windows® 2000 or XP

For technical support:

- Call the HelpCenter® (800-772-2227)

    or

- Request technical information via the Personal Computing Division Web site at: **http://www.ibm.com/pc/support**

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# Additional Information



## *Warranty Information*

For a copy of applicable product warranties, write to:

> Warranty Information
> P.O. Box 12195
> RTP, NC  27709
> Attn:  Dept JDJA/B203

IBM makes no representation or warranty regarding third-party products or services.

Telephone support may be subject to additional charges, even during the limited warranty period.  For IBM machines with on-site labor, IBM will attempt to diagnose and resolve the problem remotely before sending a technician.  For IBM machines with EasyServ service, IBM will attempt to diagnose and resolve the problem remotely before sending a courier.

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## Additional Information

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### USB Keyboard with UltraNav (31P8950, 31P8977)

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## Technical Information

*Product Specifications*

- 104-key (U.S. English), 109-key (Japanese), and 105-key (European) versions.
- Euro sign included on appropriate languages.
- Cord exit on either left or right of center in the rear.
- 2-port USB Hub.
- Three LEDs for Num Lock, Scroll Lock, and Caps Lock.
- Integrated numeric keypad.
- All keys are full-sized.

*Physical Specifications*

- Approximate weight: 363 g (.8 lb)
- Approximate height: 22 mm (.85 in)
- Approximate depth: 220 mm (8.6 in)
- Approximate width: 397 mm (15.5 in)

*Operating Environment*

- Temperature: 5 to 40°(C), 41 to 104°(F)
- Relative humidity: 8% to 80%

*Agency Approvals*

- UL 1950 /CSA 950 3rd Edition, March 1998 revision level
- CE IEC 950 2nd Edition plus Amdts. 1-4 (1996), and EN 60950 2nd Edition plus Amdts 1-4 (1997)
- GS/TUV (Germany)
- NOM-019 (Mexico)
- BSMI (Taiwan)
- FCC Class B
- Canada ICES-003 Class B; Canada NMB-003, Class B
- VCCI
- C-Tick
- MED
- ISO 9241
- MIC (Korea)

**ENERGY STAR-Compliant:** No

*Hardware Requirements*

- IBM-compatible desktop or ThinkPad® notebook system (not compatible with notebooks that are not IBM ThinkPad)
- USB port

**Note:** Full functionality of ThinkPad hot keys with the following ThinkPad Models 2681, 2682, 2683, 2672, 2673, 2366, 2367, 2652, 2653, 2658, 2659, 2677. All others, including desktops, will have some non-functioning ThinkPad hot keys.

*Software Requirements*

- Windows® 2000
- Windows XP

**Compatibility:** Some configurations may not be compatible.

### Planning Information

**Cable Orders Required:** No

**Installation Time:** Approximately five minutes

**Packaging:** One box

*Shipment Group*

- IBM USB Keyboard with UltraNav
- Warranty publication
- CD with Installation Guide and Drivers

### Publications

The *Hardware Maintenance Manual* has been discontinued.

### Security, Auditability, and Control

This product uses the security and auditability features of the system on which it is installed.

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## Terms and Conditions

| | |
|---|---|
| Field-Installable | Yes |
| Customer Setup | Yes |
| Limited Warranty Period[1] | 1 Year |
| Service Type | CCE |
| Maintenance Agreement | No |
| Optional Upgrade | No |
| Licensed Programs | No |

[1] Copies of the IBM Statement of Limited Warranty can be obtained by contacting your reseller or accessing the online services listed in the Help and Service Information section of this announcement, or by calling IBM in the United States, at 800-772-2227. In Canada, call IBM at 800-565-3344.

### Help and Service Information — Features and Options

During the warranty period, support for a warranty related issue can be obtained by accessing IBM's online services (requires internet access account, not included) or calling the IBM HelpCenter® .

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Response time will vary depending on the number and nature of calls received. If you need warranty service, return or exchange is available In addition, if your IBM option is installed in an IBM computer, you may be entitled to service at your location. For general questions related to the use of your options, fee-based support is available. Your technical support representative can help you determine the best alternative.

### Accessing IBM Online Services

- IBM Web site at:
   **http://www.ibm.com/pc**

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## IBM Electronic Services

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IBM Electronic Services news page provides you with a single Internet entry point that replaces the multiple entry points traditionally used by customers to access IBM Internet services and support. By using the news page, it enables you to gain easier access to IBM resources for assistance in resolving technical problems.

The IBM Electronic Service Agent is a no-additional-charge software that resides on your IBM eServer system that is designed to proactively monitor events and transmit system inventory information to IBM on a periodic customer-defined timetable. The IBM Electronic Service Agent tracks system inventory, hardware error logs and performance information. If the server is under a current IBM maintenance service agreement or within the IBM Warranty period, the Service Agent automatically reports hardware problems to IBM. Early knowledge about potential problems enables IBM to provide proactive service that maintains higher system availability and performance. In addition, information collected through the Service Agent will be made available to IBM service support representatives when they are helping answer your questions or diagnosing problems.

To learn how IBM Electronic Services can work for you, visit:

   **http://www.ibm.com/support/electronic**

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## Prices

| Description | Part Number | IBM List Price[2] |
|---|---|---|
| IBM USB Keyboard with UltraNav —U.S. English | 31P8950 | $99 |
| IBM USB Keyboard with UltraNav —LA Spanish | 31P8977 | 99 |

[2]   IBM price does not include tax or shipping and is subject to change without notice. Reseller prices may vary.

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