**IBM** PC Partner*Info*    **PC Service Information**

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                    **Product Information**

**Space Saver Keyboard - Product Overview**

Applicable to: **World-Wide**

- Product **Publications** page**.**

**General Information**
As a response to our customers who want a keyboard solution optimized for use in a Netfinity rack-based
server system, IBM offers the IBM Space Saver Keyboard and the IBM Netfinity Rack Keyboard Tray. The
Space Saver Keyboard incorporates IBM's TrackPoint technology into a compact, quiet keyboard. Two
buttons positioned below the space bar operate like mouse buttons, eliminating the need for a separate
pointing device. By being less than 14 inches wide and featuring an 84-key layout this keyboard is designed
to fit into areas with limited space. This keyboard is ideal for customers of rack mounted servers since it fits
in the rack's keyboard tray. Included with this keyboard are two spare, heavy texture, red Trackpoint caps that
can be used to replace caps on all ThinkPad notebook computers and TrackPoint keyboards. The IBM
Netfinity Rack Keyboard Tray is a 19-inch, rack-mountable, sliding tray designed to hold the Space Saver
Keyboard in a ready-to-use position in a Netfinity rackbased server system.

The Space Saver Keyboard features rubber dome/membrane technology key action, with an integrated
TrackPoint 2 pointing stick. The keyboard incorporates a multi-key buffer with overrun detection, multiple
scan code sets, and a bidirectional serial protocol.

The Netfinity Rack Keyboard Tray is a sliding tray for a keyboard and a pointing device (mouse or
TrackPoint). It can support up to 24 lb (11kg). The tray can hold two general sizes of keyboards: small and
large. A small keyboard (such as the IBM Space Saver Keyboard) is supported in a ready-to-use position.
Small keyboards may be a maximum of 14.25 in (36.2 cm) wide and 6.25 in (15.9 cm) deep. Larger standard
keyboards that are accommodated may be up to 19.7 in (50 cm) wide and 6.25 in (15.9 cm) deep.

Large keyboards are stored in the tray when not in use. When needed, the large keyboard must be lifted from
inside the tray and laid across the tray for use. This allows many existing server keyboards to be used. Filler
block are provided to enhance the fit of the keyboard in the tray. An 8-ft (2.4-m) extension cable set is
included to connect the keyboard and pointing device to the rack console server selector switch or to the
server.

Keyboards that are up to 1.5 in (3.8 cm) high can be used with the new Rack Keyboard Tray in just 1U of
rack space (1U equals 1.75 inches). Larger keyboards will require 2U of rack space.

**Warranty:** 1 year limited Customer Carry-In Exchange

**This product replaces:**
The Keyboard Tray, 28L4707 replaces the previous Keyboard Tray, 94G7443.

**This product was replaced by:**

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**Packaging:**
When ordering the keyboard, the below items are included:

- Space Saver Keyboard
- Interface cable
- Spare Trackpoint caps (bag of 2)
- User's Guide

When ordering the keyboard tray, the below items are included:

- Netfinity Rack Keyboard Tray
- Installation Instructions

When ordering the caps, the below item is included:

- TrackPoint Caps (bag of 2)

**Marketing and FRU Part Numbers**
**Asia Pacific, Canada, Latin America, United States**...
Marketing part number -> 28L3640
FRU part number -> 84G2529

**Europe/Middle East/Africa**...
Marketing part number -> 28L3641
FRU part number -> 84G6297
This is for the black U.K. English keyboard.

**Europe/Middle East/Africa**...
Marketing part number -> 28L3642
FRU part number -> 84G6285
This is for the black French keyboard.

**Europe/Middle East/Africa**...
Marketing part number -> 28L3643
FRU part number -> 84G6279
This is for the black German keyboard.

**World Wide**...
Marketing part number -> 28L4707
FRU part number -> MultiFRU
This is for the Keyboard Tray.

**World Wide**...
Marketing part number -> 84G6537
FRU part number -> *

This is for the TrackPoint caps. The general availability date for the caps is 9/22/1998.

**Additional Part Numbers**
**Part number(s) for ordering multiple quantities:**
None

**Asia Pacific, Canada, Latin America, United States Retail information:**
Retail Model Number -> KB640
Retail UPC Code -> 0-87944-47587-3

**Associated FRU Part Number(s):**
Keyboard Cable FRU part number-> 84G2531. Applicable to: World Wide. This is associated to the keyboard.
Keyboard tray - base FRU part number-> 28L0562. Applicable to: World Wide. This is associated to the tray.
Keyboard tray slides FRU part number-> 06H4961. Applicable to: World Wide. This is associated to the tray.
Rack keyboard cable FRU part number-> 07H0067. Applicable to: World Wide. This is associated to the tray.
Rack mouse cable FRU part number-> 07H0069. Applicable to: World Wide. This is associated to the tray.
Keyboard tray filler blocks FRU part number-> 28L0567. Applicable to: World Wide. This is associated to the tray.

**Product Dates**
**Asia Pacific, Canada, Latin America, United States**...
Announce Date-> 9/22/1998
Planned Availability Date-> 10/9/1998
Withdrawal Date-> Not Applicable
Effective Withdrawal Date-> Not Applicable

**Europe/Middle East/Africa**...
Announce Date-> 9/22/1998
Planned Availability Date-> 10/30/1998
Withdrawal Date-> Not Applicable
Effective Withdrawal Date-> Not Applicable

**Technical Specifications**
Performance Specifications as known at time of announcement:
**Interface type:** Space saver keyboard: (mini-din) style mouse and keyboard ports on the PC.

**Number of keys:** 84

**Pointing device:** TrackPoint

Physical, Environmental, and Compatibility Specifications as known at time of announcement:
**Weight:** 1.3 lbs (0.6 kg) The tray is 18lbs/8kg.
**Height:** 1.75 inches (44 mm) The tray is 3.0in/76mm.
**Width:** 13 inches (330 mm) The tray is 20.0in/508mm.
**Depth:** 6.38 inches (161 mm) The tray is 3.0in/762mm.

**Operating Temperature:**

- low of 10 degrees Celcius to a high of 40 degrees Celcius
- low of 50 degrees Farenheit to a high of 104 degrees Farenheit

**Relative Operating Humidity:** low of 8% to a high of 80%

**Agency Approvals:**
Space Saver Keyboard:

- UL
- CSA (ICES-003 Class B; NMB-003, Class B)
- FCC Class B parts 15
- CE EN 50082-1 (IEC 1000-4-4, IEC 801.3, IEC 1000-4-4), EN 55022 (Class B)
- C-Tick
- MOC

**ENERGY STAR-Compliant:** *. The ENERGY STAR emblem does not represent EPA endorsement of any product or service.

**Hardware Requirements for IBM systems:**
The Space Saver Keyboard is supported on IBM or IBM-compatible desktop PCs and servers with a PS/2 (mini-din) style mouse and keyboard ports and on the IBM ThinkPad.

The Netfinity Rack Keyboard Tray is supported in the following IBM rack cabinets:

- Netfinity Rack (9306900)
- Netfinity NetBAY22 (9306200)

The Rack Keyboard Tray supports the following IBM keyboards:

- Space Saver Keyboard (28L3640), or equivalent
- Standard 104-key Keyboard (76H0109), or equivalent
- Standard Server Keyboard (76H0895), or equivalent shipped with some servers.
- Standard Server Keyboard (02K0860), or equivalent shipped with some servers.

**Hardware Requirements for Non-IBM systems:**
The Space Saver Keyboard is not compatible with non-IBM notebooks.

**Supported Operating Systems:**
The Space Saver Keyboard is compatible with any operating system that works with standard PS/2-style mouse and keyboard drivers.

**Limitations:** The Netfinity Rack Keyboard Tray does not support the full-size Enhanced Keyboard line (such as the 92G7454 Enhanced Keyboard).

**Supported Software:** Not Applicable

**Other:** None

Document Note(s):

1. The symbol * is used to denote that the information is currently unavailable for this product.
2. All dates are represented in the US English format of mm/dd/yyyy (where mm=month, dd=day, yyyy=year).
3. FRU stands for Field Replacement Unit. It is the part number used for ordering service/replacement parts.
4. Effective Withdrawal means that on the given date IBM will have withdrawn the products from marketing. After that date, the product can not be obtained directly from IBM.

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| Brand | **IBM Options** |
| Product Family | **Input Devices** |
| Machine Type | **Keyboards** |
| Model | **28L3640; 28L4707; 84G6537; 28L3641; 28L3642; 28L3643; 28L4707; 84G6537** |
| TypeModel | |
| Retain Tip (if applicable) | |
| Reverse Doclinks and Admin Purposes | |