



# New IBM RoHS 7cIII compliant Ultra-Nav keyboards for IBM System x systems

## Table of contents

<b>1</b>	<b>Overview</b>	<b>2</b>	<b>Product number</b>
<b>1</b>	<b>Key prerequisites</b>	<b>2</b>	<b>Publications</b>
<b>1</b>	<b>Planned availability date</b>	<b>3</b>	<b>Technical information</b>
<b>2</b>	<b>Description</b>	<b>5</b>	<b>Terms and conditions</b>
<b>2</b>	<b>Product positioning</b>	<b>6</b>	<b>Prices</b>

## At a glance

The new Ultra-Nav keyboards are RoHS 7cIII compliant.

Key benefits:

- Lower cost
- RoHS 7cIII compliant

## Overview

### New IBM Ultra-Nav keyboards

The Ultra-Nav keyboards are now available for use with IBM® System x® systems. These lower-cost products are RoHS 7cIII compliant and are replacing current similar products.

Warranty: One year limited warranty<sup>1</sup>.

<sup>1</sup>For information on the IBM Statement of Limited Warranty, visit  
[http://www.ibm.com/servers/support/machine\\_warranties/](http://www.ibm.com/servers/support/machine_warranties/)

Alternatively, this information is available through your IBM representative or reseller. Copies are available upon request.

## Key prerequisites

A selected IBM System x server requiring a keyboard.

## Planned availability date

July 22, 2012

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## Description

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### New keyboards

These high-performance lower-cost products are RoHS 7cIII compliant.

Features:

- Investment protection, ease-of-use, and compatibility

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## Product positioning

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None

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## Product number

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### Option Offerings (SEOs)

Description	SEO number
Ultra-Nav Keyboards	
IBM Keyboard w/ Int. Pointing Device USB - US English 103P RoHS	94Y6179
IBM Keyboard w/ Int. Pointing Device USB - French/Canada 445 RoHS	94Y6187

The following features have already announced for the 3331 machine type:

Description	MT	Model	Feature
IBM Keyboard w/ Int. Pointing Device USB - US English 103P RoHS	3331	HC1	A31J
IBM Keyboard w/ Int. Pointing Device USB - French/Canada 445 RoHS	3331	HC1	A31S

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## Publications

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Publications are shipped with the announced product.

Title	Order number	Part number
Installation Publications with keyboard	None	None

**Displayable softcopy publications:** None

**Source file publications:** None

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## Services

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### Global Technology Services

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IBM services include business consulting, outsourcing, hosting services, applications, and other technology management.

These services help you learn about, plan, install, manage, or optimize your IT infrastructure to be an on-demand business. They can help you integrate your high-speed networks, storage systems, application servers, wireless protocols, and an array of platforms, middleware, and communications software for IBM and many non-IBM offerings. IBM is your one-stop shop for IT support needs.

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<http://www.ibm.com/services/>

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<http://www.ibm.com/services/continuity>

For details on education offerings related to specific products, visit

<http://www.ibm.com/services/learning/index.html>

Select your country, and then select the product as the category.

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## Technical information

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### Specified operating environment

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#### *Physical specifications*

#### **Agency approvals**

- EN55022
- EN55024
- EN60950-1
- EN 61000-3-2
- EN 61000-3-3
- IEC 60950-1
- FCC Part 15 Class A
- UL 60950-1
- CSA C22.2 60950-1-07
- VCCI
- NZ AS3548 / C-tick
- RRL for MIC (KCC)
- BSMI (EMC)
- IECS-003:2004 Issue 4

#### **Standards**

None

#### **Operating environment**

- Temperature: Operating

- 0°C to 55°C (-32°F to 131°F) at 0 to 914 m (0 to 3,000 ft)
- 10°C to 32°C (50°F to 90°F) at 914 to 2,133 m (3,000 to 7,000 ft)
- Relative humidity: 20% to 80% (noncondensing)
- Maximum altitude: 2,133 m (7,000 ft)
- Air flow: 200 LFM at 55°C

### **Hardware requirements**

A selected System x server system.

### **Software requirements**

None

### **Compatibility**

- ServerProven® testing, which verifies servers and keyboard and mouse products will function properly

For latest compatibility information, visit

<http://www.ibm.com/servers/eserver/serverproven/compat/us/>

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

### **User group requirements**

This announcement satisfies or partially satisfies the requirements from one or more of the worldwide user group communities. Groups include COMMON, COMMON Europe, Guide Share Europe (GSE), InterAction (Australia/New Zealand), Japan Guide Share (JGS), and SHARE Inc.

### **Planning information**

#### **Customer responsibilities**

The new Ultra-Nav keyboard products are designated as customer setup. Customer installation instructions are shipped with each option part.

#### **Cable orders**

None

#### **Installability**

The keyboards require about 10 minutes for installation.

Installation includes unpacking, setting up, and plugging in.

### **Packaging**

#### **IBM Ultra-Nav RoHS Keyboards**

Product	Package description	Boxes
keyboard	option Unit Box	1
	Contents:	
	Keyboard	
	Quick install guide	
	Important Notices Flyer	

## ***Supplies***

**For users:** Keyboard products can be purchased through dealers.

## **Security, auditability, and control**

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It is a customer's responsibility to ensure that the server is secure to prevent sensitive data from being removed.

The customer is responsible for evaluation, selection, and implementation of security features, administrative procedures, and appropriate controls in application systems and communications facilities.

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## **IBM Electronic Services**

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IBM has transformed its delivery of hardware and software support services to help you achieve higher system availability. Electronic Services is a web-enabled solution that offers an exclusive, no-additional-charge enhancement to the service and support available for IBM servers. These services are designed to provide the opportunity for greater system availability with faster problem resolution and preemptive monitoring. Electronic Services comprises two separate, but complementary, elements: Electronic Services news page and Electronic Services Agent.

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To learn how Electronic Services can work for you, visit

<http://www.ibm.com/support/electronic>

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## **Terms and conditions**

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### ***Field installable features***

Yes

### ***Warranty period***

One year

- Warranty period: 1 yr.
- Service type (IOR/IOE/CCE/CCR): CRU
- Maintenance agreement: No
- Optional upgrade: No

An IBM part or feature installed during the initial installation of an IBM machine is subject to a full warranty effective on the date of installation of the machine. An IBM part or feature which replaces a previously installed part or feature assumes the

remainder of the warranty period for the replaced part or feature. An IBM part or feature added to a machine without replacing a previously installed part or feature is subject to a full warranty effective on its date of installation. Unless specified otherwise, the warranty period, type of warranty service, and service level of a part or feature is the same as the machine it is installed.

### **Customer setup**

Yes

### **Machine code**

No license terms apply.

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## **Prices**

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Prices are subject to change without notice.

GST, QST, and sales taxes, where applicable, are extra.

For current prices, contact IBM at 888-Shop-IBM (746-7426) or visit

<http://www-03.ibm.com/systems/ca/en/x/>

Description	Part number
Ultra-Nav Keyboards	
IBM Keyboard w/ Int. Pointing Device USB - US English 103P RoHS	94Y6179
IBM Keyboard w/ Int. Pointing Device USB - French/Canada 445 RoHS	94Y6187

Field install only	Plant install only	MES removal	Cables required
N	N	N	N

The following features have already announced for the 3331 machine type:

Description	Model Number	Feature Number	Initial/MES/Both/Support
IBM Keyboard w/ Int. Pointing Device USB - US English 103P RoHS	HC1	A31J	MES
IBM Keyboard w/ Int. Pointing Device USB - French/Canada 445 RoHS	HC1	A31S	MES

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