

Frequently Asked Questions

Oracle Peripheral Kit

(Last updated 3/04/2014)

This document outlines the most common questions regarding the previous and newer (last) generation of Oracle Peripheral Kits (keyboard and mouse).

Q: What is an Oracle Peripheral Kit?

The Oracle Peripheral Kit was a previously offered combination pack that included an Oracle branded wired USB keyboard and USB wired mouse.

Prior to the end of life of these products, there were two types of Peripheral Kits available:

The older Peripheral Kits, also known as ‘Type 7’ Keyboard and Mouse are sold under the part numbers **X3701A-xx** if purchased as a standalone kit, or **3701A-xx** if purchased and packaged with a Sun Ray Client. The Type 7 Peripheral Kits include a UNIX or PC layout keyboard with Open Look keys, and an optical 3-button mouse. Oracle had already announced end of life for all of the Type 7 and newer generation Peripheral Kits. The last order date has since then expired and all Peripheral Kits are no longer available.



Figure 1: Type 7 Peripheral Kit

The newer Peripheral Kits include a wired USB keyboard with the standard PC layout with additional hot keys for Mute, Volume Down/Up, and Power, and a 3-button optical mouse. These Peripheral Kits were sold under part numbers starting with **7105xxx**, whether purchasing them as a standalone product or packaged with a Sun Ray Client.



Figure 2: Newer Generation Oracle Peripheral Kit

Q: What happened to the availability of Oracle Peripheral Kits following the end of life announcement for Sun Ray Client hardware?

In July 2013, Oracle announced the end of life of the Sun Ray Client hardware. To align with this announcement, Oracle had also announced last order dates for all Type 7 and including newer generation Peripheral Kits. The last order dates have now expired and are no longer available for purchase since February 28, 2014.

For more information, refer to the latest announcement updates:

<http://www.oracle.com/technetwork/server-storage/sunrayproducts/overview/sun-ray-hw-lod-2028854.pdf>

Q: What is the end of life plan for the Peripheral Kits?

All Type 7 Peripheral kits (part numbers X3701A-xx, 3701A-xx) and the newer generation Peripheral Kits (part numbers 7105xxx) have been discontinued and are no longer available. Oracle has no intention of releasing any future generations of Peripheral Kits.

Oracle did not release new generation Peripheral Kits for the following keyboard languages:

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- *Unix, Belgian, Swiss-German, Swiss-French, Danish, Finnish, Norwegian, Portuguese, Swedish, Turkish-Q, Taiwanese, Hebrew, Dutch, Korean, French, UK, Russian, Italian, Arabic*

The last generation Peripheral Kits were of the following locales:

- *US, Spanish, German, Japanese*

Q: What are the key differences between the old Type 7 and new generation keyboards?

Below is a table that outlines the key differences between the last and previous (Type 7) generation Peripheral Kit keyboards.

Description	Type 7 Keyboard (PN: X3701A-xx, 3701A-xx)	New Keyboard (PN: 7105xxx)
USB Interface	Yes	Yes
Wired Interface	Yes	Yes
Control Key	1, on left of space bar	2, one to left and right of space bar
Keyboard Layout	Unix and PC layout with Open Look keys.	Standard PC layout with 104/105/106/107/109 keys depending on language.
Open Look Keys	Yes, 11 separate keys located on left side of keyboard	No

USB Hub	Yes. One USB port supporting 3 USB 1.1 ports	No
LED Indicators	4 - Num Lock, Caps Lock, Scroll Lock, Compose. 5 for Japanese.	3 - Num Lock, Caps Lock, Scroll Lock
Color	Dual Tone: Alloy Ghost Gray, Alloy Gray	Black
Unix Version Available	Yes	No
Hot Keys (Mute, Volume Down/Up, Power)	Yes, above the number pad	Yes, above the arrow keys
Weight	1.03 kg / 2.27 lbs.	.508 kg / 1.12 lbs.
Length	495 mm / 1.62 ft.	450 mm / 1.48 ft.
Width	153 mm / 0.52 ft.	143 mm / 0.47 ft.
USB Cable Length	2 m / 6.56 ft.	1.52 m / 4.99 ft.

Q: What advantages do the last Oracle keyboards have over off-the-shelf 3rd party keyboards?

The new Oracle keyboard has a number of traits that make it more compatible with Sun Rays Clients, Oracle Solaris, and Oracle Linux, as well as maintaining better compatibility with previous generation Sun Microsystems keyboards. These include:

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- Only Oracle keyboards are certified for use with Sun Ray Clients.
- Meta keys on the left and right side of the space bar.
 - These replace the typical Microsoft-branded logo keys on a standard keyboard, but operate similarly in Window environments.
- Compose key to the right of the space bar
 - This replaces the Page menu key on a standard keyboard, but operates similarly in Window environments.
- Alt Graph to the right of the space bar.
- Return key (rather than named as "Enter")
- 4 Hot Keys (Mute, Volume Down, Volume Up, and Power)

All of these, except the hot keys, are compatible with Windows Operating Systems.

Q: Are the new Peripheral Kits compatible with PCs or the Windows OS?

Yes, the keyboard and mouse are Microsoft Certified for Windows 7 and 8. Note that the hot keys (Mute, Volume Down/Up, Power) on the new keyboards are not recognized by Microsoft Windows.

To find these products listed under the Microsoft Certified Products List, you can search the site at:

<https://sysdev.microsoft.com/en-us/hardware/lpl/>

Search under Group: 'Device', Product Type: 'Keyboards' or 'Input Device', search value (Product Name): 'Oracle'.

You should see the following products listed:

- Oracle Peripheral Kit / Keyboard – SK9025 and/or
- Oracle Peripheral Kit / Mouse – SM9020

The Peripheral Kit mouse and keyboard are certified for the following:

- Windows 7
- Windows 7 x64
- Windows 8 Client family, x86
- Windows 8 Client family, x64

Q: Are the new Peripheral Kit keyboards compatible when using Sun Ray 3 Series Clients or the Oracle Virtual Desktop Client to access Sun Ray Software sessions or Oracle Virtual Desktop Infrastructure desktops?

The minimum requirement for using the Sun Ray 3 Series Clients with the last/ newer generation Oracle Peripheral Kit (beginning with part numbers 7105xxx) is Sun Ray Software 5.4 and Sun Ray Operating Software 11.1.1. This is the minimum configuration that Oracle tested with the last generation keyboard.

Oracle does not certify or make any representations regarding the compatibility, stability and performance of the Peripheral Kit keyboards /mice when using the Oracle Virtual Desktop Client.

While many peripherals do work when using Sun Ray Clients and the Oracle Virtual Desktop Client, users are responsible for selecting and testing all peripherals, including Oracle keyboards and mice, to ensure that they are compatible with their software, systems, and desktop clients prior to deployment.

For a list of peripheral devices that were tested with Sun Ray 3 Series Clients and the Oracle Virtual Desktop Client, go to [Sun Ray Products Documentation on OTN](#) and refer to the following document:

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<http://www.oracle.com/technetwork/server-storage/sunrayproducts/docs/sr-ovdc-peripherals-060413-1953711.pdf>

Q: Do the new keyboard hot keys work with Windows PC hardware?

No, the three Volume keys (Mute, Volume Down, Volume Up), and the Power (Moon) key are implemented using the USB HID "Keyboard Page" Usages. This usage maintains compatibility with other Sun / Oracle keyboards and is compatible with other operating systems such as Solaris, Oracle Linux, and Mac OS X. This, as in the past, continues to differ from the usage codes supported by Microsoft for these four keys. As such, these four keys will not be recognized if used directly on Windows PC hardware until such time as Microsoft chooses to support both valid USB HID usage definitions.

Q: What keyboard can I use in place of the Type 7 UNIX keyboard (Peripheral Kit part numbers X3701A-UNIX, 3701A-UNIX)?

There will be no new replacement available for the UNIX keyboard. You can use the last generation US keyboard (p/n: 7105472, 7105482) in place of a UNIX keyboard.

There is no functional difference between the UNIX and new US keyboard but rather it is the way in which the keys are arranged. For example, for a UNIX keyboard, the Caps Lock and Control keys are reversed, the Escape key is found where the tilde (~) key is on the new US keyboard, and a number of other rearrangements. Also, see the above table for the differences between the Type 7 and new keyboard.

Q: What are the differences between the last and previous (Type 7) version of the mouse?

The differences are minimal. Both mice are wired, USB 1.1, 3-button LED optical mice with scroll wheel, where the scroll wheel acts as the center button.

The newer mouse is smaller, lighter and of a different color of black.

Q: Will I be able to get the exact same replacement for my Type 7 keyboard or mouse, if it is still under warranty?

You will only be able to get a Type 7 replacement keyboard if the End of Service Life date for the same keyboard has not expired, and there are available exact replacement service parts available to fulfill your request.

Given the differences between the Type 7 and new generation keyboards, the new keyboards will not be substituted or interchanged for the type 7 keyboards for a part replacement service request.

The Type 7 mouse can be substituted and interchanged with the latest generation mouse (pending Service availability).

Please contact your Oracle Service representative for more information on product service information.

Q: Can I still order Oracle Peripheral Kits?

No. All Peripheral Kit product have been discontinued and the last order dates have expired.

Q: What was the pricing of the old versus the new Peripheral Kit?

The previous generation Peripheral Kits (X3701A-xxx, 3701A-xx) were priced at \$50 USD.

The list price for the last generation Peripheral Kits (7105xxx) was \$44 USD if purchased as a standalone product, and \$37 USD if it was ordered and packaged with a Sun Ray Client.

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Q: Where can I find out more about the Oracle Peripheral Kits?

For information about the Oracle Peripheral Kit keyboard and mouse specifications, visit the following links:

Oracle Peripheral Kit Datasheet:

<http://www.oracle.com/us/products/servers-storage/desktop-workstations/oracle-peripheral-kit-ds-043013-1954188.pdf>

Product Overviews:

<http://www.oracle.com/us/products/servers-storage/desktop-workstations/030752.htm>

For latest updates, visit: **Sun Ray Client and Peripheral Kit End of Life Announcement and Last Order Dates:**

<http://www.oracle.com/technetwork/server-storage/sunrayproducts/overview/sun-ray-hw-lod-2028854.pdf>



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