

ThinkPad USB Port Replicator with Digital Video offers a quick and easy connection to your workspace peripherals

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At a glance

The ThinkPad® USB Port Replicator with Digital Video gives you access to:

- DVI monitor output - Supports video resolutions up to 1920 x 1200 (LCD widescreen mode) or 1920 x 1080 (HDTV Out mode) with dual display settings and a refresh rate of 60 Hz; includes an optional DVI-to-VGA dongle
- 5 USB 2.0 ports
- Integrated 10/100M Ethernet
- Stereo headphone-out jack

Overview

The ThinkPad USB Port Replicator with Digital Video provides a quick and easy connection to the workspace peripherals you use every day. Simply plug in the USB cable for access to your monitor, Internet connection/LAN, headphones/speakers, USB printer, keyboard, mouse, and other USB devices.

Features and benefits:

- Compact and sleek mini-tower design - Reduces footprint on desk.
- Hot pluggable - Allows you to dock and undock or connect and disconnect devices without rebooting the system.
- DVI monitor output - Supports video resolutions up to 1920 x 1200 (LCD widescreen mode) or 1920 x 1080 (HDTV Out mode) with a refresh rate of 60 Hz. Supports lower resolutions at higher refresh rates. Includes a DVI-to-VGA dongle for connecting VGA displays.
- Dual display settings - Allows you to switch between mirror and extended video modes with the push of a button. In extended video mode, user may elect for either the integrated system display or the external monitor to function as primary.
- One forward-facing USB 2.0 port - Ideal for use with memory keys and other "quick access" devices. This USB 2.0 port is backward-compatible with USB 1.1 devices.
- Four rear-facing USB 2.0 ports - Ideal for most USB devices, including printers, keyboards, and mice. These USB 2.0 ports are backward-compatible with USB 1.1 devices.
- Integrated 10/100M Ethernet - For Internet/LAN connectivity. No external adapter required.
- Stereo headphone-out jack for speakers and headphones.

- Supports Microsoft® Windows® XP and Microsoft Windows Vista 32 and Vista 64 (in normal and Aero modes).
- Ships with an AC adapter.
- Backed by a one-year warranty.

For information on docking products, visit

<http://www.lenovo.com/support/docks>

For more information on options and accessories, including compatibility, visit

<http://www.lenovo.com/accessoriesguide>

Key prerequisites

System must support USB 2.0.

Planned availability date

September 8, 2009

* Refer to the [Product number](#) section for announcing countries.

Additional information

All offers are subject to availability. Lenovo® reserves the right to alter product offerings and specifications at any time without notice. Lenovo is not responsible for photographic or typographic errors.

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

Accessibility by people with disabilities

A U.S. Section 508 Voluntary Product Accessibility Template (VPAT) containing details on accessibility compliance can be requested at

<http://www-03.ibm.com/research/accessibility/requests/accvpat.nsf/lenovo-bidx?OpenForm>

Product number

Description	Part Number
ThinkPad USB Port Replicator with Digital Video for Bolivia, Colombia, Costa Rica, Ecuador, El Salvador, Guatemala, Honduras, Mexico, Nicaragua, Panama, Peru, Venezuela	45K1610
ThinkPad USB Port Replicator with Digital Video for Chile	45K1611
ThinkPad USB Port Replicator with Digital Video for Argentina, Uruguay, Paraguay	45K1616

Supplemental information

ThinkPad USB Port Replicator with Digital Video (45K1610)

Technical information

Performance specifications

Physical specifications

- Approximate height: 174 mm (6.85 in)
- Approximate width: 158 mm (6.22 in)
- Approximate depth: 57 mm (2.24 in)
- Approximate weight: 340 g (0.76 lb)

Operating environment

- Temperature: - 10°C (50°F) to +55°C (131°F)
- Relative humidity: 8% to 80% (non-condensing)

Storage environment

- Temperature: -40°C (-40°F) to +60°C (140°F)
- Relative humidity: 8% to 80% (non-condensing)

Agency approvals

- FCC
- CE
- KCC
- C-tick
- BSMI
- VCCI
- CB
- UL+cUL
- NOM
- TUV-type approval

Hardware requirements

The ThinkPad USB Port Replicator with Video is supported on the following Lenovo systems:

Description	Machine Type	Model
ThinkPad x200	A11	A11
ThinkPad x200t	A11	A11
ThinkPad x200s	A11	A11
ThinkPad x301	A11	A11
ThinkPad T400	A11	A11
ThinkPad T500	A11	A11
ThinkPad w500	A11	A11
ThinkPad w700	A11	A11
ThinkPad R400	A11	A11
ThinkPad R500	A11	A11
ThinkPad SL300	A11	A11
ThinkPad SL400	A11	A11
ThinkPad SL500	A11	A11
IdeaPad S9	A11	A11
IdeaPad S10	A11	A11
IdeaPad S9e	A11	A11
IdeaPad S10e	A11	A11
Lenovo N500	A11	A11
Lenovo G530	A11	A11

Limitations

- Dock should be installed under XP SP3 and VISTA. For XP SP2, two patches should be installed first due to Microsoft limitation. To download these patches, link to <http://support.microsoft.com/kb/901122/> <http://support.microsoft.com/kb/890927/>
- When dock is 'Extend Only' or 'Extend Primary' display mode cannot exchange integrated graphic and external graphic on hybrid graphic system, such as, some types of R400, R500, T400, and T500.
- Cannot set dock monitor to 'Extend Primary' mode via Presentation Director (Fn +F7 hot key).
- When you play back DVD, some system may pop-up message 'Copy Protection' appears on external monitor.
- Does not support external screen rotation.
- Do not recommend changing display mode when video is running.
- DVD cannot play back on external monitor under XP with extend mode.
- External primary mode cannot be applied with INTEL graphics under XP due to INTEL limitation.
- When you play back DVD and unplug dock, sound turns to PC speaker, re-insert the dock, sound will not return back to replicator automatically. To change to dock output, manually configurate by dock GUI.

Planning information

Cable orders required

No

Installation time

Approximately five minutes

Packaging

One box (plain brown box not packaged for consumer)

Shipment group

- ThinkPad USB Port Replicator with Digital Video
- DVI-to-VGA monitor adapter
- Power adapter
- USB cable
- Publications

Security, auditability, and control

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

Terms and conditions

Field-installable	Yes
Customer setup	Yes
Warranty period*	1 year
Service type	CRU
Maintenance agreement	No
Optional upgrade	No
Licensed programs	No

All other terms and conditions are the same as those applicable to the Lenovo machine type in which the feature is installed.

* To obtain copies of the Lenovo Statement of Limited Warranty, contact your reseller or call Lenovo.

Help and service information -- Features and options

During the warranty period, support for a warranty related issue can be obtained by accessing Lenovo's online services (requires Internet access account, not included) or calling the Support Center, to answer any questions regarding your new Lenovo option. 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 Lenovo option is installed in an Lenovo 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 Lenovo online services

<http://www.lenovo.com/support>

Placing the call to Lenovo

For technical support call the Support Center, contact your HelpWare® number, your place of purchase, or your local sales office.

Prices

Country prices must be obtained from your local pricing function.

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