



# Administrator Guide

HP USB Port Manager

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## User input syntax key

Text that you must enter into a user interface is indicated by `fixed-width font`.

Item	Description
Text without brackets or braces	Items you must type exactly as shown
<Text inside angle brackets>	A placeholder for a value you must provide; omit the brackets
[Text inside square brackets]	Optional items; omit the brackets
{Text inside braces}	A set of items from which you must choose only one; omit the braces
	A separator for items from which you must choose only one; omit the vertical bar
...	Items that can or must repeat; omit the ellipsis



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# Table of contents

<b>1 Getting started .....</b>	<b>1</b>
Supported operating systems .....	1
Downloading HP USB Port Manager .....	1
Opening HP USB Port Manager .....	1
<b>2 Configuration .....</b>	<b>2</b>
Managing the whitelist .....	2
Predefined whitelist items .....	3
Exporting the configuration for deployment .....	3
<b>3 Command-line options .....</b>	<b>4</b>
<b>4 Tips and best practices .....</b>	<b>5</b>



# 1 Getting started

HP USB Port Manager allows you to manage USB device access on the thin client. Features include the ability to block all USB devices, allow only certain USB devices, and set access to USB mass storage devices as read-only.


## Supported operating systems

The following table lists the operating systems supported by HP USB Port Manager.

Item	Description
Operating systems	Windows® 10 IoT Enterprise
	Windows Embedded 8.1 Industry Pro
	Windows Embedded 8 Standard
	Windows Embedded Standard 7

## Downloading HP USB Port Manager

HP USB Port Manager is typically preinstalled on HP thin clients. It can also be downloaded or updated via HP ThinUpdate.

 **NOTE:** If the Control Panel app HP USB Storage Local Security Options is preinstalled on the thin client, you do not need to uninstall it. The installer for the latest version of HP USB Port Manager uninstalls it automatically during the installation process.

## Opening HP USB Port Manager

- ▲ In Control Panel, select **HP USB Port Manager**.

## 2 Configuration

To configure USB device access:

1. Select the desired settings.

Setting	Description
Block all USB devices	Blocks all USB devices that are not enabled in the whitelist. <b>NOTE:</b> Blocked USB devices are not listed in Device Manager.
Read-only access to USB mass storage devices	Sets access to USB mass storage devices as read-only.
Enable log to help you capture USB device connection information	Enables the log, which might contain the vendor ID, product ID, and class ID for connected USB devices. <b>NOTE:</b> Select <b>View Log</b> to view the log. If the log file does not exist, try restarting the thin client.

2. If you did not enable **Block all USB devices**, skip this step. If you enabled that setting, see [Managing the whitelist on page 2](#), and then continue this procedure.
3. Restart the thin client for the changes to take effect.

If you want to deploy the same configuration to other thin clients, see [Exporting the configuration for deployment on page 3](#).

## Managing the whitelist

You can add specific USB devices or categories of USB devices to the whitelist to be sure that they are always allowed access to the thin client, even when **Block all USB devices** is enabled. You can further manage USB device access in the whitelist by selecting or clearing the corresponding check box next to each item. Selected USB devices are allowed access, and cleared USB devices are denied access.



**NOTE:** The whitelist has no effect if **Block all USB devices** is disabled.

HP USB Port Manager includes some predefined whitelist items (see [Predefined whitelist items on page 3](#)).

To add items to the whitelist:



**NOTE:** You cannot add USB devices to the whitelist while **Block all USB devices** is enabled.

1. Select **Add**, and then select one of the following options:
  - **Any USB device of a specific class ID**—Select a class ID from the list and enter a product name.
  - **A USB device with a specific class ID, vendor ID, and product ID**—Select a class ID from the list and enter a product name, vendor ID, and product ID.
  - **All currently connected USB devices to connect**—All currently connected USB devices are selected by default. Clear the check box next to the name of any USB devices you do not want to add.
2. Select **OK**.

You can use the **Edit** and **Remove** buttons to edit or remove whitelist items.



## Predefined whitelist items

The following table describes the USB devices and USB device categories that are predefined in the whitelist.

Item	Description
USB Hub	USB hubs with the class ID 0x09
USB Input Devices	USB input devices, such as mice and keyboards, with the class ID 0x03
USB Mass Storage Devices	USB mass storage devices with the class ID 0x08
HP USB Slim Keyboard – Skylab (Liteon)	A specific HP keyboard identified by its vendor ID, product ID, and class ID
HP Wireless Slim Keyboard – Skylab (Liteon)	A specific HP keyboard identified by its vendor ID, product ID, and class ID

## Exporting the configuration for deployment


- ▲ Select **Export**.

The configuration exports as a PowerShell script (.ps1) that can be used for deploying the configuration to other thin clients.

## 3 Command-line options

See the following table for a list of command-line options for HPUSBPortMgr.exe, which is located in the System32 folder on 32-bit systems and in the SysWOW64 folder on 64-bit systems.

After making changes using the command line, you must restart the thin client for changes to take effect.

 **TIP:** Options are not case sensitive.

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```
/USBStor-ReadOnly
```

Sets access to USB mass storage devices as read-only.

---

```
/USB {Enable|Disable}
```

Enables or disables access for all USB devices not enabled in the whitelist.

---

```
/Add "VendorID=VendorID; ProductID=ProductID; ClassID=ClassID; Allow=HexValue; Name=String"
```

Adds an item to the whitelist.

---

```
/Delete "VendorID=VendorID; ProductID=ProductID; ClassID=ClassID; Allow=HexValue; Name=String"
```

Removes an item from the whitelist.

---

```
/Allow "VendorID=VendorID; ProductID=ProductID; ClassID=ClassID; Allow=HexValue; Name=String"
```

Allows access for a whitelist item.

---

```
/Block "VendorID=VendorID; ProductID=ProductID; ClassID=ClassID; Allow=HexValue; Name=String"
```

Blocks access for a whitelist item.

---

```
/Export FilePath
```

Exports the HP USB Port Manager configuration to a PowerShell script.

---

```
/Show
```

Displays the current configuration information for HP USB Port Manager.

---

```
/Help
```

– or –

```
/?
```

Displays command-line help.

---

**Examples:**

```
/USBStor-ReadOnly Disable
```

```
/USB {Enable}
```

```
HPUSBPortMgr.exe /Add "VendorID=0x0000;ProductID=0x0000;ClassID=0x09;Allow=0x01;Name=Hub"
```

```
HPUSBPortMgr.exe /Block "VendorID=0x0000;ProductID=0x0000;ClassID=0x09;Allow=0x01;Name=Hub"
```

```
HPUSBPortMgr.exe /Export C:\hpusbportmanager.ps1
```

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## 4 Tips and best practices

Consider the following information when using HP USB Port Manager:

- In addition to the **All currently connected USB device to connect** option, you can use the USBView app from Microsoft to determine USB device information (go to <https://msdn.microsoft.com/en-us/library/windows/hardware/ff560019%28v=vs.85%29.aspx?f=255&MSPPError=-2147217396>).
- A USB 3.0 hard drive might have a different product ID when attached to a USB 2.0 port. Be sure to add the allowed USB device twice, using both product IDs.
- If you uninstall and then reinstall HP USB Port Manager, the following settings are not preserved:
  - Block all USB devices
  - Read-only access to USB mass storage devices