Upgrading OmniSwitch 6800/6850 L Series Switches to 10/100/1000

Overview

This instruction sheet documents how to upgrade OmniSwitch 6800/6850 L Series switches to 10/100/ 1000 capability. There are two methods to upgrade your switch to 10/100/1000 capability. You can either upgrade a single switch, which is described in **Upgrading a Single Switch** on page 2, or upgrade multiple standalone or stacked switches, which is described in **Upgrading Multiple Switches (Standalone or Stacked)** on page 6.

Upgrading a Single Switch

To obtain a single license key to upgrade a single switch, you will need the Activation Code listed on your Software License Upgrade Certificate, the switch's serial number, and the switch's MAC address. Follow the steps below to create a single license key.

1 Obtain the Card ID (Activation Code) from the Software License Upgrade Certificate and the serial number and the MAC address of the switch using the CLI command **show chassis** shown below:

```
-> show chassis
Chassis 1
 Model Name:
                                   OS6850-P24XL,
                                   24 \ 10/100 \ POE + 2 \ 10 \ G_{,}
  Description:
  Part Number:
                                   902431-10,
  Hardware Revision:
                                   06,
  Serial Number:
                                   H03Q0007,
  Manufacture Date:
                                   SEP 07 2006,
                                   POWER ON,
  Admin Status:
  Operational Status:
                                   UP,
  Number Of Resets:
                                   317
MAC Address:
                                 00:e0:b1:6a:43:d4,
```

- 2 Go to the licensing web site below and choose 'OmniSwitch 6850L/6800L'.
- https://service.esd.alcatel-lucent.com/license



Method 1: License Screen Example

3 Enter the card ID, serial number, and the MAC address of the switch.

4 After entering all of the information, click **Submit Single Entry**. The system will prompt you to verify whether or not all of the information is correct.

		OmniSwitch 6850L/6800L	~	
l I	Method 1. Type in and	l create one License Key		
	CardJD		MAC Address	
cros	oft Internet Explorer			
?	Are you sure the informa You cannot reuse the ca WARNING: Some browse attempting to load the fi Example: G01Q0032.lice	ation you entered is correct? rd number again!!! er might change the filename of the gene le. .nse.txt	erated key. Please verify that the fo	rmat of th
		ОК	Cancel	
		Brow	se	

Method 1: Confirmation Screen

5 Verify the information and click **OK**. The system will display a dialog box asking you to save the file.

Note: If upgrading a switch running an AOS release prior to 6.3.1 the file format must be: F1234567.license.txt.

Note: If upgrading a switch running AOS release 6.3.1 or above either of the following formats will work: F1234567.license.txt or F1234567_license.txt.

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Save jn:	🚞 WUTemp		*	G 🦻	ب 🔝 🔊	
My Recent Documents	E H03Q0007_lice	nse.txt				
My Documents						
My Computer						
	File <u>n</u> ame:	H03Q0007_license.txt			~	<u>Save</u>
My Network	Save as <u>t</u> ype:	Text Documents (*.txt)			*	Cancel
	<u>E</u> ncoding:	ANSI			*	

Method 1: Download Screen

- 6 Ensure the file is saved in the proper format as noted above.
 - OmniSwitch running AOS code prior to 6.3.1 F1234567.license.txt.
 - OmniSwitch running AOS code 6.3.1 or later F1234567.license.txt or F1234567_license.txt.
 - An alternative is to use **license.txt**, but the previous methods will help associate a license key with a specific switch.
- 7 Once the file is saved, you must transfer the file in ASCII format to the /flash directory of the switch.
- 8 Reload the switch. The switch will reload with ports configured for the 10/100/1000 capability.

9 Execute the **show chassis** command to verify that the Description column displays '24 G'. Another way to verify is to execute the **show interfaces capability** command and confirm that the Speed column displays 1G.

-> show chassis	
Chassis 1	
Model Name: OS6850-P24XL,	
Description:	24 G POE + 2 10 G,
Part Number:	902431-10,
Hardware Revision:	06,
Serial Number:	H03Q0007,
Manufacture Date:	SEP 07 2006,
Admin Status:	POWER ON,
Operational Status:	UP,
Number Of Resets:	317
MAC Addrss: 00:e0:b1:6a:43:d4,	

Upgrading Multiple Switches (Standalone or Stacked)

Note: When upgrading multiple switches, the steps under the 'Upgrading A Single Switch' section can be performed repeatedly, or the steps below can be used to generate multiple licenses in a single step.

Follow these steps to create multiple license keys.

1 Obtain the serial numbers and the MAC addresses of the switches using the CLI command **show chassis** shown below:

Note: If the switches are in a stacked configuration, the base MAC address of each unit will be displayed as shown below.

-> show chassis	
Chassis 1	
Model Name:	OS6850-24L,
Description:	24 10/100,
Part Number:	902414-10,
Hardware Revision:	03,
Serial Number:	G0250624,
Manufacture Date:	JAN 21 2006,
Admin Status:	POWER ON,
Operational Status:	UP,
Number Of Resets:	50
MAC Address:	00:d0:95:e0:2f:d0,
Chassis 2	
Model Name:	OS6850-P24XL,
Description:	24 10/100 POE + 2 10 G,
Part Number:	902431-10,
Hardware Revision:	06,
Serial Number:	H03Q0007,
Manufacture Date:	SEP 07 2006,
Admin Status:	POWER ON,
Operational Status:	UP,
Number Of Resets:	50
MAC Address:	00:e0:b1:6a:43:d4,

- 2 Create a file with the card IDs, serial numbers, and the MAC addresses of the switches you want to upgrade to 10/100/1000 capability in the CSV format. (This can done with many applications, including Microsoft Excel.) Step a through Step g shows a typical example using Microsoft Excel:
- a. Open Microsoft Excel.
- **b.** On the first row enter the card ID, serial number, and the MAC address of the switch as shown below.

Make sure the parameters are in order, and that each parameter is in a separate column.

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	A	B	C	D	E	F	G	H		J	K	L	M	<u>N</u>
1	689691305	F12Q0420	00:d0:95:c5:1a:16											
2	680230731	F12Q0239	UU:dU:95:c4:tc:14											
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Method 2: Sample CSV File

c. Repeat Step **b** for each additional switch.

d. Save the file in CSV format by selecting Save As > CSV (Comma delimited) as shown below:

Save As		? ×
Save in:	🖃 Local Disk (C:) 💽 🖕 🔹 🛍 🚳 🗙 📸 📰 🔻 Tools 🔻	
History	Corel DOCS Documents and Settings I386	
My Documents	Perforce1830	
Desktop	PSFONTS FEMP WINNT	
Favorites	WUTemp	
My Network Places	File name: os6800_edge_switches Save Save as type: CSV (Comma delimited) Candom	e :el

Method 2: Saving a CSV Format File in Excel

e. Click Save. The following window will be displayed:

Microsoft	Excel
<u>.</u>	 The selected file type does not support workbooks that contain multiple sheets. To save only the active sheet, click OK. To save all sheets, save them individually using a different file name for each, or choose a file type that supports multiple sheets.
	Cancel

Method 2: Click "OK" to Save the CSV File

f. Click OK. The following window will be displayed:

Microsoft	Excel
٩	 os6800_edge_switches.csv may contain features that are not compatible with CSV (Comma delimited). Do you want to keep the workbook in this format? To keep this format, which leaves out any incompatible features, click Yes. To preserve the features, click No. Then save a copy in the latest Excel format. To see what might be lost, click Help.

Method 2: Click "Yes" to Save the CSV File

- g. Click Yes. The required information is now saved in CSV format.
- 3 Go to the licensing web site below and choose 'OmniSwitch 6850L/6800L'.
- <u>https://service.esd.alcatel-lucent.com/license</u>

OmniSwitch 6850L/6800L L	icense / Registration	
O	mniSwitch 6850L/6800L	~
Method 1. Type in and crea	ate one License Key	
Card ID (Activation Code)	Serial Number	MAC Address (00:d0:95:d3:8e:fc)
(Submit Single Entry)
Method 2. Upload CSV form	natted file and create mul	tiple License Keys
	CSV Formatted File	se
	Upload CSV File	

Method 2: License Screen

4 Click **Browse** to locate the specific CSV format file on your hard drive.

5 After selecting the CSV format file, click **Upload CSV File**. The system will prompt you to verify whether all the information is correct or not.

	C	OmniSwitch 6850L/6800L	~	
	Method 1. Type in and cro	eate one License Key		
	Card ID		MAC Address	
сго	soft Internet Explorer			
?	Are you sure the information You cannot reuse the card nu WARNING: Some browser mig attempting to load the file. Example: G01Q0032.license.l	you entered is correct? umber again!!! ght change the filename of the gen txt	erated key. Please verify that the fo	rmat of the
		ОК	Cancel	
		Brow	/se	

Method 2: Confirmation Screen

6 After you click **OK**, the system will generate one or more license keys based on the number of rows in your CSV file. You can then click the link and save each license file that was generated.

Service and Support » my Support » License Generation Center

OmniSwitch 6850L/6800L Search Results

 Card Id
 Serial
 Mac Addr

 266858098
 H03Q0007
 00:e0:b1:6a:43:d4
 <u>uEy5-BuCT-Nogs-2R&V-Syon-\$SG7-doTx-KVI\$/H03Q0007</u>

 371947544
 H03Q0004
 00:e0:b1:6a:43:ea
 <u>uEd5-1uCT-#oEx-5q&V-Syen-qSGa-3oy8-KBI#/H03Q0004</u>

Back

Click on link to save license key file.

Method 2: Download Screen

Note: If upgrading a switch running an AOS release prior to 6.3.1 the file format must be: F1234567.license.txt.

Note: If upgrading a switch running AOS release 6.3.1 or above either of the following formats will work: F1234567.license.txt or F1234567_license.txt.

7 Ensure the file is saved in the proper format as noted above.

- OmniSwitch running AOS code prior to 6.3.1 F1234567.license.txt.
- OmniSwitch running AOS code 6.3.1 or later F1234567.license.txt or F1234567_license.txt.
- An alternative is to use **license.txt**, but the previous methods will help associate a license key with a specific switch.

Save As							? 🔀
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My Recent Documents	H03Q0007_licer	nse.txt					
Desktop							
My Documents							
My Computer							
S	File <u>n</u> ame:	H03Q0007_license.txt			~	[<u>S</u> ave
My Network	Save as <u>t</u> ype:	Text Documents (*.txt)			*		Cancel
	<u>E</u> ncoding:	ANSI			*		.::

Method 2: Save Screen

Upgrading Multiple Standalone Switches

- **8** Once the files are saved, you must transfer the files in ascii format to the /flash directory of each switch.
- 9 Reload the switch. The switch will reload with ports configured for the 10/100/1000 capability.
- **10** Execute the **show chassis** command again to verify that the Description column displays '24 G'. Another way to verify is to execute the **show interfaces capability** command and confirm that the Speed column displays 1G.
- **11** Perform the steps above for each standalone switch to be upgraded.

```
-> show chassis
Chassis 1
 Model Name:
                                 OS6850-P24XL,
                                 24 G POE + 2 10 G,
  Description:
  Part Number:
                                 902431-10,
  Hardware Revision:
                                 06,
 Serial Number:
                                 H03Q0007,
 Manufacture Date:
                                 SEP 07 2006,
                                 POWER ON,
  Admin Status:
  Operational Status:
                                 UP,
  Number Of Resets:
                                 317
MAC Address:
                                00:e0:b1:61:43:d4,
```

Upgrading A Stack of Switches

12 Once the files are saved, you must transfer the files in ascii format to the /flash directory of each switch in the stack, the process varies based on whether the switch being upgraded is the Primary or a non-Primary switch in the stack.

Upgrading the Primary

- 13 Transfer the file in ascii format to the /flash directory of the Primary switch.
- 14 Reload the switch. The switch will reload with ports configured for the 10/100/1000 capability.

Upgrading a non-Primary Switch in a Stack

- 15 Transfer the files in ascii format to the /flash directory of the Primary switch.
- 16 Use the rcp command to remote copy the proper license to the destination switch.

-> rcp /flash/H03Q0007_license.txt 2:/flash/H03Q0007_license.txt

- **17** Reload the non-Primary switch. The switch will reload with ports configured for the 10/100/1000 capability.
- -> reload 2
- 18 Execute the show chassis command again to verify that the Description column displays '24 G'.

Another way to verify is to execute the **show interfaces capability** command and confirm that the Speed column displays 1G.

-> show chassis	
Chassis 1	
Model Name:	OS6850-P24XL,
Description:	24 G POE + 2 10 G,
Part Number:	902431-10,
Hardware Revision:	06,
Serial Number:	H03Q0007,
Manufacture Date:	SEP 07 2006,
Admin Status:	POWER ON,
Operational Status:	UP,
Number Of Resets:	317
MAC Address:	00:30:b1:61:43:d4

19 Perform the steps above for each non-primary switch to be upgraded.



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