



QuantaMesh
Ethernet Switch
Image Upgrading Guide

REVISIONS

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1. Upgrade the Firmware

The switch firmware is continuously being upgraded to meet more networking demands. It is recommended to upgrade the firmware to ensure that your switch has the latest firmware for optimum performance.

Basically, the latest image file is necessary to upgrade the firmware. In some cases, the kernel version may also have to be upgraded. Check the release notes to determine if the kernel and uboot versions need to be upgraded.

Note:

This document applied to the following models:

T3048-LY2R, T3040-LY3, T3048-LY8, T3048-LY9, T5032-LY6

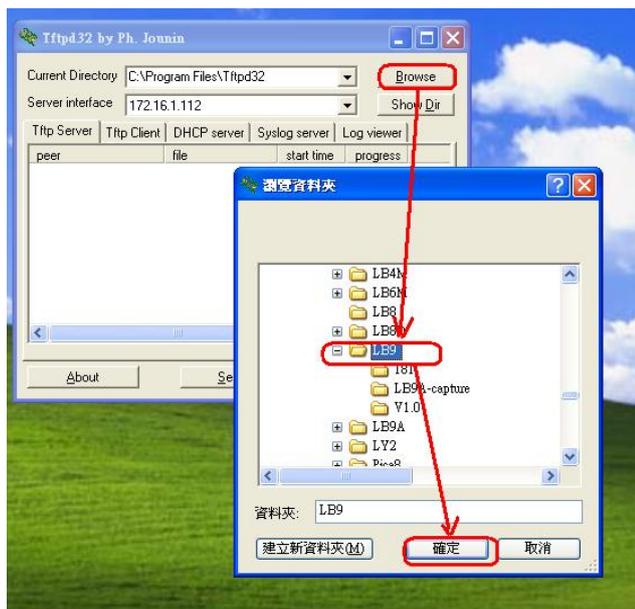
1.1. Initialization Stage

1. Connect Tftp(FTP,SCP) server to ETH, ETH1 or MGMT port depending on the model located on the most right side.
2. Use the following command to set the service port IP address.
 - a. Connect console cable to “Con” port.
 - b. Set baud rate to 115200 (115200, n, 8, 1) on your favorite terminal software (such as teraterm or hyperterm)

1.2. Upgrading the Firmware Image File

1. When prompt with username and password, input “admin” without password.
2. Set the serviceport IP address

```
Configure
Serviceport protocol none
Serviceport ip 192.168.2.1 255.255.255.0
exit
```
3. Prepare a TFTP(FTP,SCP) server (assume IP address is 192.168.2.100) and put the latest image on the root directory of tftp server.
 - a. Please go to tftpd32.jounin.net to download the latest tftpd32 program.
 - b. Specify where the image is



4. First upgrade the package file (the package file includes latest kernel and root file system ; use LY8 as an example, please change to correct file name for your model)

copy tftp://192.168.2.100/p20cb-package-2.4.08.02.img package

or

copy ftp://user:password@192.168.2.100/p20cb-package-2.4.08.02.img package

or

copy scp://user@192.168.2.100/p20cb-package-2.4.08.02.img package

Remote Password:*****

5. The switch supports only 2 images. Use dir command to make sure only one existed.

if the switch already contains 2 images, use "delete IMAGE_NAME" to delete "non-startup" image

```
(Quanta) #dir
-----
date           file name           file type  startup size (byte)
-----
2011/07/12     lb9-b-1.0.0712.biz  Boot-Rom image  Y      475613
2011/03/24     lb9-factory-defaults  Config File    N      11246
2011/10/13     lb9-r-1.04.1007.biz  Operation Code Y      11579554
2012/03/08     default.cfg         Config File    Y      11618
2012/02/16     lb9-r-1.05.0616.img  Operation Code N      11576682
-----
Total: 5 files.
(Quanta) #delete lb9-r-1.05.0616.img
```

delete the image with startup set to "N"

(Above snapshot is just an example)

6. Use the following command to update the image ° (use LY8 as an example, please change to correct file name for your model)

```
copy tftp://192.168.2.100/p20cb-r-2.4.08.02.img image p20cb-r-2.4.08.02.img
```

or

```
copy ftp://user:password@192.168.2.100/ p20cb-r-2.4.08.02.img image p20cb-r-2.4.08.02.img
```

or

```
copy scp://user@192.168.2.100/p20cb-r-2.4.08.02.img image p20cb-r-2.4.08.02.img
```

Remote Password:*****

```
(Quanta) #copy tftp://192.168.2.100/lb9-r-1.06.0216.img image lb9-r-1.06.0216.img
Mode..... TFTP
Set Server IP..... 192.168.2.100
Path..... /
Filename..... lb9-r-1.06.0216.img
Data Type..... Code
Destination Filename..... lb9-r-1.06.0216.img

Management access will be blocked for the duration of the transfer
Are you sure you want to start? (y/n) y

TFTP code transfer starting
Verifying CRC of file in Flash File System
TFTP receive complete... storing in Flash File System...
File transfer operation completed successfully.
```

(Above snapshot is just an example)

7. Use the following command to set the new image as "next boot" image.

```
boot-system opcode p20cb-r-2.4.08.02.img
```

```
(Quanta) #boot-system opcode lb9-r-1.06.0216.img
Start Up Success!
```

(Above snapshot is just an example)

8. Reboot switch.

```
reload
```

9. After boots up , use "show version" to display the version. The version should be 2.4.08.02 for this case.

About QCT

QCT (Quanta Cloud Technology) is a global datacenter solution provider extending the power of hyperscale datacenter design in standard and open SKUs to all datacenter customers.



Product lines include servers, storage, network switches, integrated rack systems and cloud solutions, all delivering hyperscale efficiency, scalability, reliability, manageability, serviceability and optimized performance for each workload.

QCT offers a full spectrum of datacenter products and services from engineering, integration and optimization to global supply chain support, all under one roof.

The parent of QCT is Quanta Computer Inc., a Fortune Global 500 technology engineering and manufacturing company.

<http://www.QuantaQCT.com>