

Pre-install connectivity

1. Connect the console port of the switch to a PC. Most switches come with a RJ45 console port. Use a RJ45-to-serial cable or an RJ45-to-USB also cable to connect to a PC.
2. Use a terminal application; such as “Tera Term” to terminal connect. Configure the console port. Use these settings for the console port:
 - 115200 baud
 - No flow control
 - 1 stop bit
 - No parity bits
 - 8 data bits

Installing from an FTP, HTTP, or TFTP

The steps to install via FTP, HTTP, or TFTP server are shown below:

1. Copy the `-installer` file to an FTP, HTTP, or TFTP server. Boot the switch with the `ONIE: Install OS` option as shown in Figure below

```
GNU GRUB version 2.02~beta2+e4a1fe391
-----+
*ONIE: Install OS
ONIE: Rescue
ONIE: Uninstall OS
ONIE: Update ONIE
ONIE: Embed ONIE
-----+

```

Use the `^` and `v` keys to select which entry is highlighted.
Press enter to boot the selected OS, ``e'` to edit the commands before booting or ``c'` for a command-line.

2. From ONIE menu select Install OS
3. When you get to ONIE# prompt
4. Run the following command to stop the ONIE discovery process and display of messages

```
ONIE# onie-discovery-stop
```

5. Assign an IP address to the management port of the switch:

```
ONIE# ifconfig eth0 100.12.16.38 netmask  
255.255.255.0 up
```

Note: This is only a temporary address. After installing, set an IP address from the OS

6. Assign a default gateway to the switch:

```
ONIE# route add default gw 100.12.16.1
```

7. Run one of these commands depending the path where you copied the `-installer` file:

```
ONIE#: onie-nos-install http://[http-server-  
path]/installer
```

```
ONIE#: onie-nos-install ftp://[ftp-server-  
path]/installer
```

```
ONIE#: onie-nos-install tftp://[tftp-server-  
path]/installer
```

Once install is complete system will reboot. At this point proceed to boot OS and configure

Installing from a USB Stick

- 1) Follow steps 1 to 5 above, that is common to all installs

- 2) Copy installer image that you have received to a FAT formatted USB
- 3) Insert the USB stick, which contains the `-installer` file in the switch.
- 4) Mount the USB:


```
ONIE#: mkdir /mnt/usb
```



```
ONIE#: mount /dev/sdb1 /mnt/usb
```
- 5) Verify that the USB stick is mounted: `df -k` or `ls /mnt/usb`
- 6) Run the `-installer` script:


```
ONIE#: onie-nos-install /mnt/usb/installer image
```
- 7) Once the OS installation completes, the switch reboots automatically