Viavi OneAdvisor ONA-1000 400G Software Update Instructions

April 29, 2020

Table of Contents
Scope .................................................................................................................................................. 2
1. Network Upgrade .......................................................................................................................... 2
2. USB Upgrade ............................................................................................................................... 8
3. StrataSync .................................................................................................................................... 12
Scope

The ONA-1000 platform base software includes software for the 400G module and supported Fiber Optics modules (OTDR, etc.). The 100G module, for the ONA-1000, is upgraded separately. This procedure addresses upgrade to the software for the ONA-1000, the 400G module and supported Fiber Optic modules. To upgrade the ONA-1000 100G module, consult the “ONA-1000 100G software upgrade procedure”.

There are three methods to update ONA-1000 software:
1. Network upgrade - Use this method to update your ONA-1000 via an Internet connection.
2. USB upgrade - Use this method to update your ONA-1000 with a USB thumb drive.
3. StrataSync upgrade - Use this method if your ONA-1000 is managed using Viavi’s StrataSync Asset Management system and your company has elected to deploy software via this method.

The ONA must be connected to AC Power, regardless of update method. Please note that network upgrades are NOT supported over WiFi.

1. Network Upgrade

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Power On</td>
<td>Press and release the ON/OFF button to turn on the ONA-1000.</td>
</tr>
<tr>
<td>2.</td>
<td>AC Power</td>
<td>Connect the AC power adapter to the power connector on the right side of the mainframe.</td>
</tr>
<tr>
<td>3.</td>
<td>LAN Connection</td>
<td>Connect the Ethernet Management Port, on the right side of the mainframe, to a network connection with internet access, using CAT 5E or better cable.</td>
</tr>
<tr>
<td>4.</td>
<td>System</td>
<td>Press the System icon at the top of the start-up screen, to display the System Menu.</td>
</tr>
</tbody>
</table>
5. **Network Settings**

Press the Network icon, ![Network icon](image), to display LAN Settings. Set **IP Mode** to “DHCP” for automatic IP address assignment or “Static” for manual input. If using a static address, be sure to configure the DNS server for an accurate address or the upgrade will fail to locate the upgrade server.
After configuring LAN settings, press the System icon, ![System Icon], to redisplay the System Menu.

6. Upgrade  

Press the Upgrade icon, ![Upgrade Icon], to display upgrade methods.
Select your upgrade method:

- **USB**
  Upgrade from files stored on a USB flash drive.

- **Network**
  Download upgrade from a web server over the network.
7. Network Upgrade

Press to display upgrade settings. Press Reset to Default to ensure the server address name is correct.

8. Connect

Press to show the upgrade versions available at upgrademyunit.net.
9. Start Upgrade Press , and press to initiate the upgrade.
# 2. USB Upgrade

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Updatemyunit.net</td>
<td>Using an internet browser on your PC or laptop, go to <a href="http://updatemyunit.net/">http://updatemyunit.net/</a></td>
</tr>
<tr>
<td>2.</td>
<td>ONA-1000</td>
<td>Click on the <a href="http://ona-1000.updatemyunit.net">ONA-1000 upgrade page</a> to display the OneAdvisor ONA-1000 upgrade page.</td>
</tr>
<tr>
<td>3.</td>
<td>Download</td>
<td>Click on the icon for the desired server to start the download from that server. For example, North America <a href="http://t-berd@mts-5800v2.platform">Canada</a>. Click <a href="http://t-berd@mts-5800v2.platform">Save</a> to download the current software revision from that server, if prompted. Do NOT save the download directly to the USB stick. Save to your PC and wait for the download to complete.</td>
</tr>
<tr>
<td>4.</td>
<td>USB Stick</td>
<td>Insert a USB thumb drive into the USB port on your PC or laptop.</td>
</tr>
<tr>
<td>5.</td>
<td>Extract</td>
<td>Open and run the downloaded file, enter the path of the USB stick, and press <a href="http://t-berd@mts-5800v2.platform">OK</a> to extract files.</td>
</tr>
</tbody>
</table>
6. **Eject**  
   Once the extract has completed, safely eject the USB drive from your PC or Laptop.

7. **Power on ONA**  
   Press and hold the ON/OFF button to turn on the ONA-1000.

8. **AC Power**  
   Connect the AC power adapter to the power connector on the right side of the ONA-1000 mainframe.

9. **USB**  
   Connect the USB Thumb Drive to one of the USB ports on the ONA-1000 mainframe. An 8GB or smaller drive is recommended.

10. **System**  
    Press the System icon, at the top of the start-up screen, to display the System Menu.
11. Upgrade  Press the Upgrade icon, upgrade, to display upgrade methods.

12. Select USB  Press USB to display upgrade versions available on the USB stick.
## Start Upgrade

Press ![Start Upgrade](image) to initiate the upgrade.

### Upgrade Table

<table>
<thead>
<tr>
<th>Name</th>
<th>Upgrade Version</th>
<th>Date</th>
<th>Installed Version</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>bert_tester</td>
<td>1.1.0-1</td>
<td>04/27/2020</td>
<td>1.1.0-1</td>
<td>04/27/2020</td>
</tr>
</tbody>
</table>

---

13. Start Upgrade Press ![Start Upgrade](image) to initiate the upgrade.
### 3. StrataSync

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Power On</td>
<td>Press and hold the ON/OFF button to turn on the ONA-1000.</td>
</tr>
<tr>
<td>2.</td>
<td>AC Power</td>
<td>Connect the AC power adapter to the power connector on the right side of the ONA-1000.</td>
</tr>
<tr>
<td>3.</td>
<td>LAN Connection</td>
<td>Connect the Ethernet Management Port on the side of ONA-1000 to a network connection with internet access, using CAT 5E or better cable.</td>
</tr>
<tr>
<td>4.</td>
<td>System</td>
<td>Press the System icon, , at the top of the start-up screen, to display the System Menu.</td>
</tr>
</tbody>
</table>
5. **Network Settings**  
Press the Network icon, Network, to display LAN Settings. Set **IP Mode** to “DHCP” for automatic IP address assignment or “Static” for manual input.

If configuring a static address, be sure to include an accurate DNS address or the unit will fail to locate the StrataSync server.

![Network Settings Screen](image)

After configuring LAN settings, press the System icon, System, to redisplay the System Menu.

6. **StrataSync**  
Press the StrataSync icon, StrataSync, to display StrataSync Settings. Ensure that **Account ID** and **Technician ID** match those of your StrataSync account.
7. **Sync**

Press **Start Sync** to sync your ONA-1000 400G and initiate upgrades that have been assigned by your company’s StrataSync Administrator.