Viavi OneAdvisor ONA-1000 100G module
Software Update Instructions

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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, has its own software and is upgraded separately. This procedure addresses upgrade to the software for the ONA-1000 100G module.

NOTE: The ONA 100G module is identified as a MAP-2100 on info and upgrade screens. This is normal. Navigation and upgrades, for the ONA 100G module, are controlled from the 100G module itself. It is important to make sure that you are on 100G module GUI when performing upgrades, regardless of the method chosen. The 100G module GUI is accessed, from the ONA base, by clicking on the 100G icon at top of the screen.

To upgrade the ONA-1000 base and 400G module, consult the “OneAdvisor ONA-1000 400G software upgrade procedure”.

There are three methods to update ONA-1000 100G module software:

1. Network upgrade - Use this method to update your module via an Internet connection.
2. USB upgrade - Use this method to update your module with a USB thumb drive.
3. StrataSync upgrade - Use this method if your ONA 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 power button icon, on the 100G module GUI to power on the 100G module. NOTE: It is important that you are on the GUI of the 100G module and the ONA base. The 100G module is accessed, from the base ONA GUI, by clicking on the 100G icon at the top of the GUI.</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, <img src="image" alt="System Icon" />, at the top of the 100G module screen, to display the System Menu. NOTE: It is important that you are on the GUI of the 100G module and not the ONA base. The 100G module is accessed, from the base ONA GUI, by clicking on the 100G icon at the top of the GUI.</td>
</tr>
</tbody>
</table>
5. Network Settings  

Press the Network icon, , 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. Note: If you are using static addresses, ensure the IP address is not the same as ONA-1000 base IP address.

![Network Settings](image-url)
After configuring LAN settings, press the System icon, System, to redisplay the System Menu.

6. Upgrade

Press the Upgrade icon, Upgrade, to display upgrade methods.
7. **Network Upgrade**

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

Enter the address of the upgrade server:

Server address: MAP-2100.upgrademyunit.net

Enter the address of the proxy server, if needed to access upgrade server:

Proxy address: Type: HTTP

Press to query the server for available upgrades.

8. **Connect**

Press to show the upgrade versions available at upgrademyunit.net.
9. **Start Upgrade** Press ![Start Upgrade](image), and press ![OK](image) to initiate the upgrade.
## 2. USB Upgrade

<table>
<thead>
<tr>
<th>Step</th>
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</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></td>
<td>Map-2100</td>
<td><img src="image" alt="Map-2100 Image" /></td>
</tr>
<tr>
<td>2.</td>
<td>MAP-2100</td>
<td>Click on the Map-2100 link to display the MAP-2100 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. There are icons for three servers: EMEA, NORTH AMERICA or APAC server. For example, North America. Click <img src="image" alt="Save Button" /> 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. An 8G or smaller USB is recommended.</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 <img src="image" alt="OK Button" /> 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**
   
   Press the power button on the ONA-1000 100G module to power the module on. It is important to ensure that you are on the GUI for the 100G module and not the ONA base. The 100G is accessed, from the ONA base GUI, by clicking on the 100G icon at the top of the screen.

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 the USB port on the 100G module. Note: The USB must be connected to the USB of the 100G module and not the ONA-1000 mainframe.

10. **System**
    
    Press the System icon, at the top of the start-up screen, to display the System Menu. Note: It is important to make sure you are on the GUI for the 100G module. The 100G module GUI is accessed, from the ONA base GUI, by clicking on the 100G icon at the top of the screen.
11. Upgrade  Press the Upgrade icon, upgrade, to display upgrade methods.
12. Select USB Press to display upgrade versions available on the USB stick.

13. Start Upgrade Press Press to initiate the upgrade.
## 3. StrataSync

<table>
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<tr>
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</thead>
<tbody>
<tr>
<td>1.</td>
<td>Power On</td>
<td>Press and hold the ON/OFF button to turn on the 100G module. NOTE: It is important to ensure that you are on the GUI for the 100G module. The 100G module GUI is accessed, from the ONA base GUI, by clicking on the 100G icon at the top of the screen.</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. NOTE: It is important to ensure that you are on the GUI for the 100G module. The 100G module GUI is accessed, from ONA base GUI, by clicking on the 100G icon at the top of the screen.</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 configuring a static address, be sure to include an accurate DNS address or the unit will fail to locate the Stratasync server. **NOTE:** If you are using static addresses, ensure that the 100G address is not the same as the ONA base IP address.

![LAN Settings](image)

After configuring LAN settings, press the System icon, ![System Icon](image), to redisplay the System Menu.

6. **StrataSync**

Press the StrataSync icon, ![StrataSync Icon](image), to display StrataSync Settings. Ensure that **Account ID** and **Technician ID** match those for your StrataSync account.
7. Sync

Press Start Sync to sync your 100G module and initiate upgrades that have been assigned by your company’s StrataSync Administrator.

Note: When viewing the 100G module, in Stratasync, the asset will appear as a MAP-2100 model. This is normal.