



# MCU Upgrade Required

## After GV-APOE1611-V2 Firmware Upgrade to V1.06

**Article ID: GV1-25-11-20-T**

**Release Date: 11/20/2025**

### Contents

1. Applied To .....	1
2. Introduction .....	1
3. Upgrading the MCU .....	2

## 1. Applied To

- GV-APOE1611-V2 with firmware earlier than V1.06

## 2. Introduction

After upgrading the GV-APOE1611-V2 firmware to V1.06, it is required to upgrade the MCU (Microcontroller Unit) of the PoE switch to V1.4.0.

This technical notice provides step-by-step instructions for upgrading the MCU.

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**IMPORTANT:** Do not disconnect power or network connections during the firmware or MCU upgrade processes.

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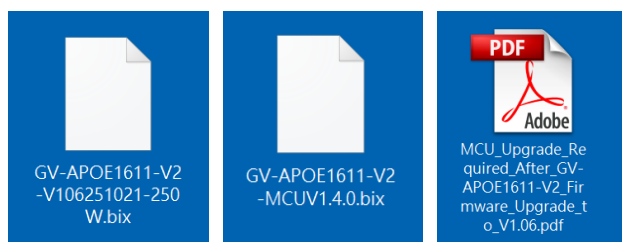


### 3. Upgrading the MCU

To upgrade the MCU, follow the steps below.

1. After downloading the latest GV-APOE1611-V2 firmware package from the [GeoVision Website](#), extract it to access the following files:

- **GV-APOE1611-V2 V1.06 firmware: V106251021 (.bix)**
- **MCU Upgrade file: MCUV1.4.0 (.bix)**
- **This Guide (.pdf)**

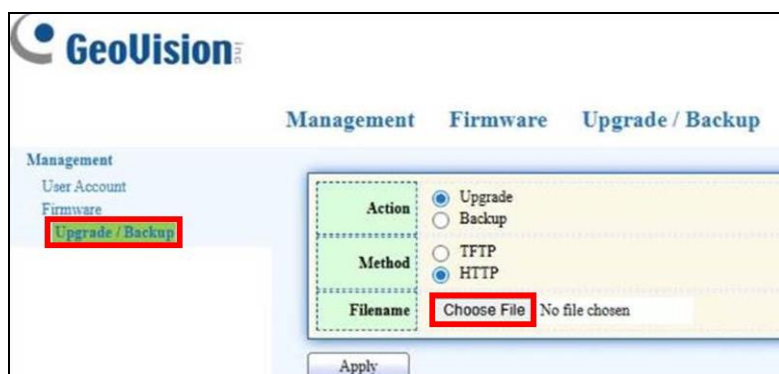


2. Log in to the GV-APOE1611-V2 Web interface, and upgrade the firmware to the latest version. For instructions, see *Updating Firmware* in the GV-APOE1611-V2 Installation Guide.
3. Log in to the switch again after the firmware upgrade. Note that only the pages related to the MCU upgrade remain.
4. Go to **Management > Firmware > Upgrade / Backup**, and select **Upgrade** and **HTTP**. Click **Choose File**, locate and select the **MCU Upgrade file** listed in Step 1, and then click **Open**.

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**IMPORTANT:** Upgrading to firmware V1.06 or later is required before performing the MCU Upgrade to ensure it completes successfully.

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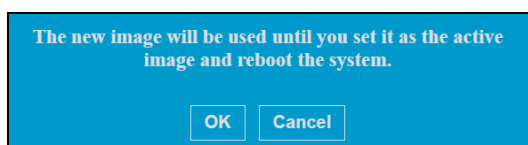
5. Click **Apply** to start the MCU upgrade.

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**IMPORTANT:** MCU upgrade takes approximately 5 to 6 minutes. During the upgrade:

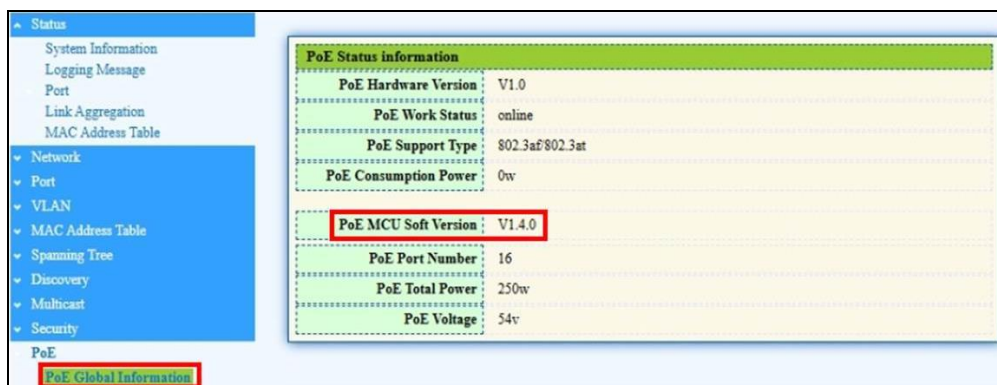
1. Do not disconnect power or network connections.
  2. Do not close your Web browser, or the upgrade will fail and you will need to repeat the process.
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6. After the MCU upgrade is complete, click **OK**, and then click **Reboot** at the top right of the main screen to reboot the device.



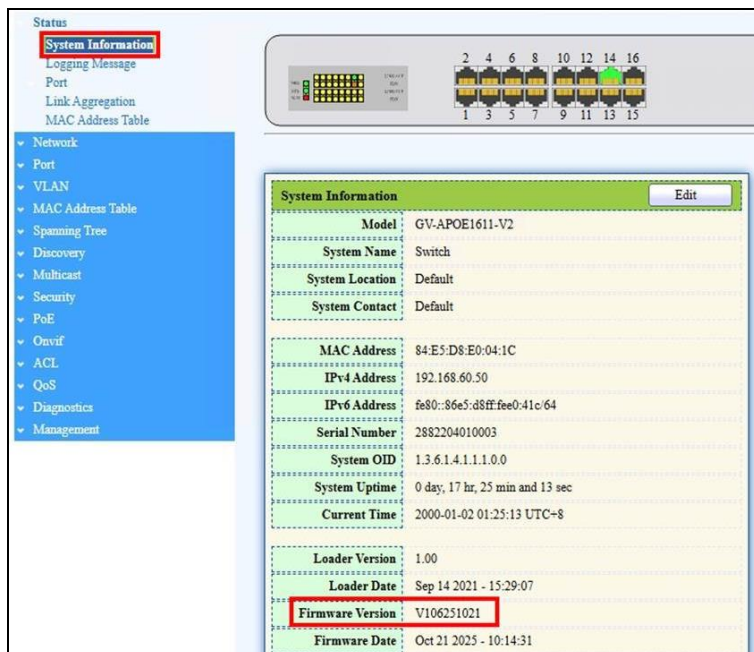
7. After the device has rebooted, you will be returned to the login page. You can now log in to the switch again.

Go to **Security > PoE > PoE Global Information**, and check the **PoE MCU Soft Version**. If it is V1.4.0, then the MCU upgrade is successful.





Additionally, you can go to **Status > System Information** and check the **Firmware Version**.  
If it is V1.06\_251021, then the firmware upgrade is successful.



**Status**

- System Information**
- Logging Message
- Port
- Link Aggregation
- MAC Address Table

Network

- Port
- VLAN
- MAC Address Table
- Spanning Tree
- Discovery
- Multicast
- Security
- PoE
- QoS
- Diagnosics
- Management

**System Information** Edit

Model	GV-APOE1611-V2
System Name	Switch
System Location	Default
System Contact	Default
MAC Address	84:E5:D8:E0:04:1C
IPv4 Address	192.168.60.50
IPv6 Address	fe80::86e5:d8ff:fee0:41c/64
Serial Number	2882204010003
System OID	1.3.6.1.4.1.1.1.0.0
System Uptime	0 day, 17 hr, 25 min and 13 sec
Current Time	2000-01-02 01:25:13 UTC+8
Loader Version	1.00
Loader Date	Sep 14 2021 - 15:29:07
<b>Firmware Version</b>	<b>V106251021</b>
Firmware Date	Oct 21 2025 - 10:14:31