

# HPE Gen12 服务器 iLO7 中升级网卡固件

## 目录

|                       |   |
|-----------------------|---|
| <b>一. 适用范围与注意事项</b>   | 1 |
| <b>二. 升级准备</b>        | 1 |
| 1. 固件获取               | 1 |
| 2. 连接 iLO             | 1 |
| <b>三. 升级步骤</b>        | 1 |
| 1. 访问 iLO7            | 1 |
| 2. 通过 iLO7 检查固件更新前的版本 | 2 |
| 3. 固件更新               | 3 |
| 4. 检查固件更新后的版本         | 8 |

## 一. 适用范围与注意事项

- 本文档旨在说明 HPE Gen12 系列服务器通过 iLO7 界面升级网卡固件方法。
- 实际情况是否适用本文档, 请通过下面导航链接进行确认:  
<https://zhiliao.h3c.com/Theme/details/218273>
- 提示:
  - 本文档中的信息 (包括产品, 软件版本和设置参数) 仅作参考示例, 具体操作与目标需求设置请以实际为准。
  - 固件更新有风险, 请注意提前备份数据。
  - 本文档不定期更新维护, 请以发布的最新版本为准。

## 二. 升级准备

1. 固件获取  
具体方法请参考: <https://zhiliao.h3c.com/Theme/details/216386>
2. 连接 iLO  
具体方法请参考: <https://zhiliao.h3c.com/Theme/details/233627>

## 三. 升级步骤

1. 访问 iLO7

浏览器输入 iLO7 IP 地址访问 iLO，输入用户名和密码登录。



## 2. 通过 iLO7 检查固件更新前的版本

通过 iLO7 页面 **Firmware – Firmware Inventory** 查看对应型号网卡的固件版本。

| Firmware Name  | Firmware Version       | Location             |
|--|------------------------|----------------------|
| 2 SFF 24G x4NVMe/SAS UBM3 BC BP  | 1.24                   | Slot=14;Port=2;Box=2 |
| 8 SFF 24G x1NVMe/SAS UBM6 BC BP  | 1.04                   | Slot=14;Port=1;Box=1 |
| 8 SFF 24G x1NVMe/SAS UBM6 BC BP  | 1.04                   | Slot=14;Port=1;Box=1 |
| BCM 5719 1Gb 4p BASE-T OCP Adptr   | 20.33.41               | OCP Slot B           |
| Broadcom P225p NetXtreme-E Dual-port 10Gb/25Gb Ethernet PCIe Adapter - NIC | 233.1.135.7            | PCI-E Slot 3         |
| Embedded Video Controller  | 2.7                    | Embedded Device      |
| HPE MR416i-o Gen11   | 52.32.3-6333           | OCP Slot A           |
| HPE Smart Storage Energy Pack 1 Firmware                                   | 0.70                   | Embedded Device      |
| iLO 7  | 1.19.00 Dec 02 2025    | System Board         |
| Intelligent Platform Abstraction Data                                      | 2.14.0 Build 21        | System Board         |
| Intelligent Provisioning   | 5.03.5                 | System Board         |
| PCIe Riser 1 Programmable Logic Device                                     | 10                     | System Board         |
| PCIe Riser 2 Programmable Logic Device                                     | 10                     | System Board         |
| Power Supply Firmware  | 2.01                   | Bay 1                |
| System Programmable Logic Device   | 0x12                   | System Board         |
| System ROM   | U68 v1.56 (11/28/2025) | System Board         |
| TPM Firmware   | 9.256                  | System Board         |

注：其他固件信息也可在此页面查询。

### 3. 固件更新

#### 3.1 下载固件

通过 [HPE 官网](#) 搜索对应型号网卡的固件，可选择任意 Windows 系统，下载 exe 固件文件和 compsig 签名文件。

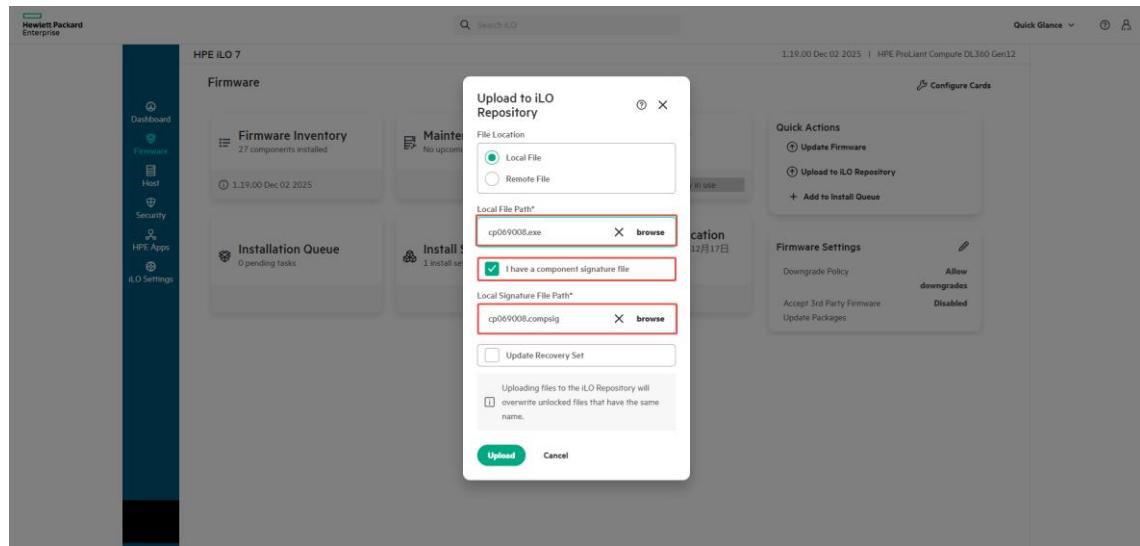
The screenshot shows the HPE Support Center interface for downloading firmware. On the left, there's a sidebar for selecting a product (HPE ProLiant Compute DL360 Gen12 Server) and operating system (Windows Server x64). The main area displays the 'Broadcom NX1 Online Firmware Upgrade Utility for Windows Server x64 Editions'. A modal window titled 'Download Software' lists two files: 'cp069008.compsig (2.1 KB)' and 'cp069008.exe (7.3 MB)'. Both files have their SHA256 checksums listed below them. At the bottom of the modal are 'Cancel', 'Download', and 'And Copy' buttons.

#### 3.2 将固件挂载到 iLO 并开始更新

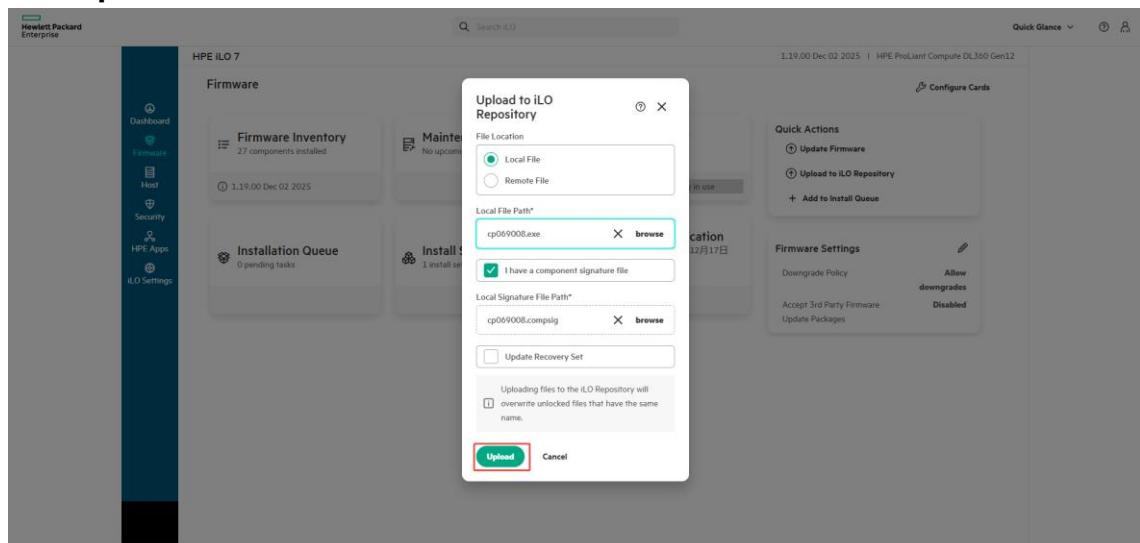
1) 通过浏览器登录 iLO7，在 Firmware 页面选择 Upload to iLO Repository。

The screenshot shows the HPE iLO 7 Firmware page. On the left, there's a sidebar with 'Dashboard', 'Host', 'Security', 'HPE Apps', and 'iLO Settings'. The main area has several cards: 'Firmware Inventory' (27 components installed), 'Maintenance Window' (No upcoming maintenance windows), 'iLO Repository' (5 components, 16.8% capacity in use), 'Installation Queue' (0 pending tasks), 'Install Sets' (1 install set), 'Firmware Verification' (Last scan time: 2025年12月17日 UTC 09:31:03, Last scan result: OK), and 'Quick Actions' (Update Firmware, Upload to iLO Repository, Add to Install Queue). The 'Upload to iLO Repository' button is highlighted with a red box.

2) 选择 Local file，将已保存至本地的固件文件挂载到 Local file 选择文件处，将 compsig 签名文件挂载到 Local signature file 选择文件处。

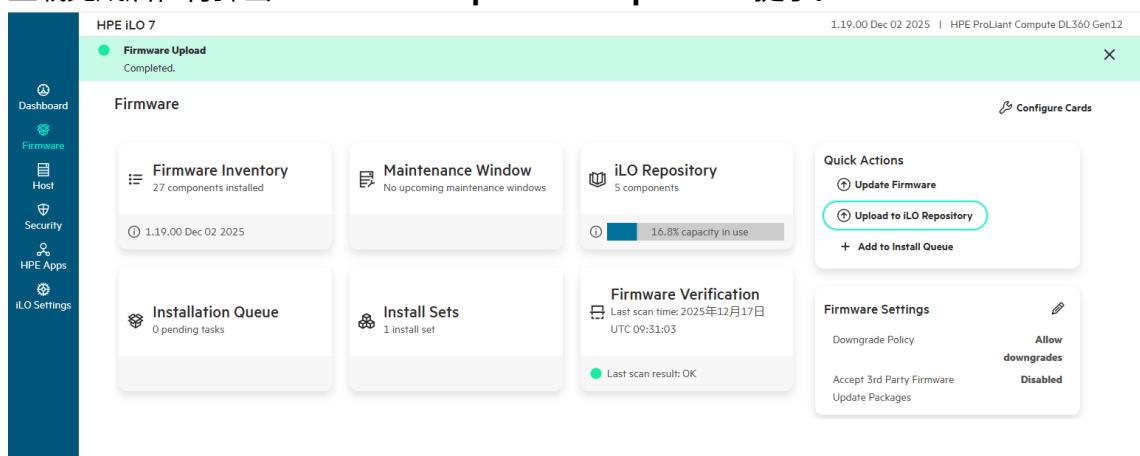


3) 点击 Upload, 阅读上传提示, 确认无误后点击 OK 即开始上载与更新固件。



注：上图提示内容为“将文件上载到 iLO 存储库将覆盖具有相同名称的未锁定文件。是否继续？”。

4) 上载完成后, 将弹出 “Firmware Upload Completed” 提示。



5) 在 **Firmware** 页面选择 **iLO Repository**, 将 iLO 存储库中的网卡安装组件添加到安装队列中, 点击 **add** 确认加入到安装队列。

**HPE iLO 7**

**Firmware**

1.19.00 Dec 02 2025 | HPE ProLiant Compute DL360 Gen12

**iLO Repository** (highlighted)

Quick Actions:

- Update Firmware
- Upload to iLO Repository
- Add to Install Queue

**Firmware Settings**

- Downgrade Policy: Allow downgrades
- Accept 3rd Party Firmware: Disabled
- Update Packages

**HPE iLO 7**

**iLO Repository**

1.19.00 Dec 02 2025 | HPE ProLiant Compute DL360 Gen12

**Summary**

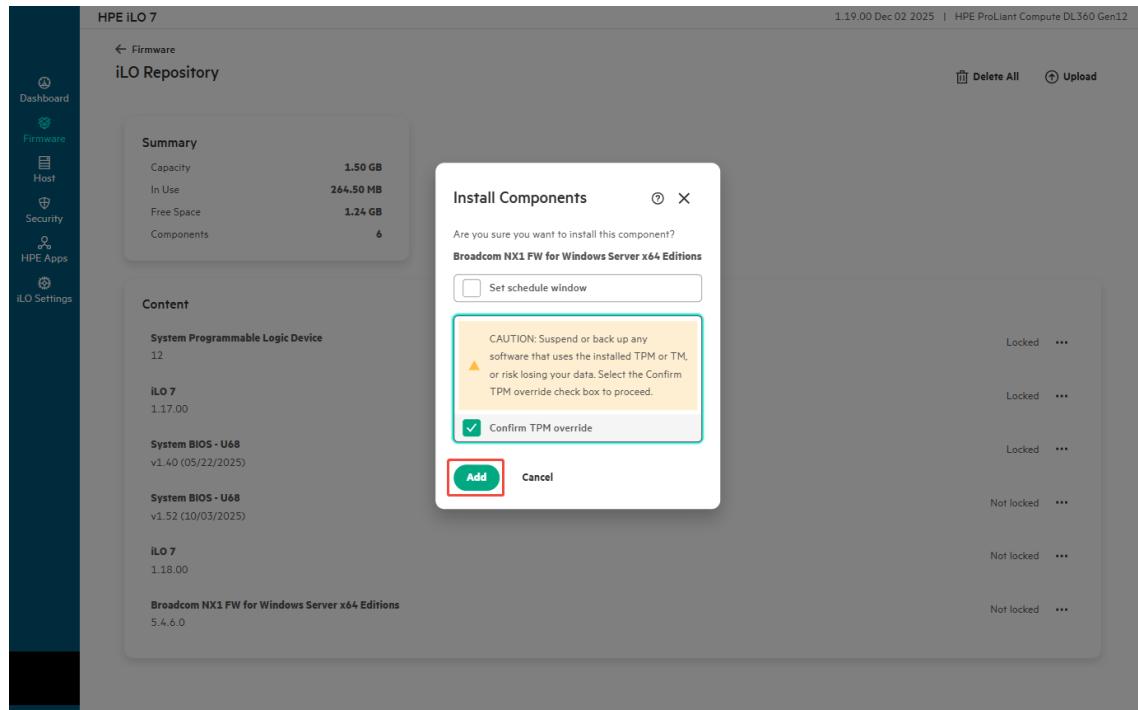
|            |           |
|------------|-----------|
| Capacity   | 1.50 GB   |
| In Use     | 264.50 MB |
| Free Space | 1.24 GB   |
| Components | 6         |

**Content**

| Component  | Status     | Actions |
|--|------------|---------|
| System Programmable Logic Device<br>12                     | Locked     | ...     |
| iLO 7<br>1.17.00   | Locked     | ...     |
| System BIOS - U68<br>v1.40 (05/22/2025)                    | Locked     | ...     |
| System BIOS - U68<br>v1.52 (10/03/2025)                    | Not locked | ...     |
| iLO 7<br>1.18.00   | Not locked | ...     |
| Broadcom NX1 FW for Windows Server x64 Editions<br>5.4.6.0 | Not locked | ...     |

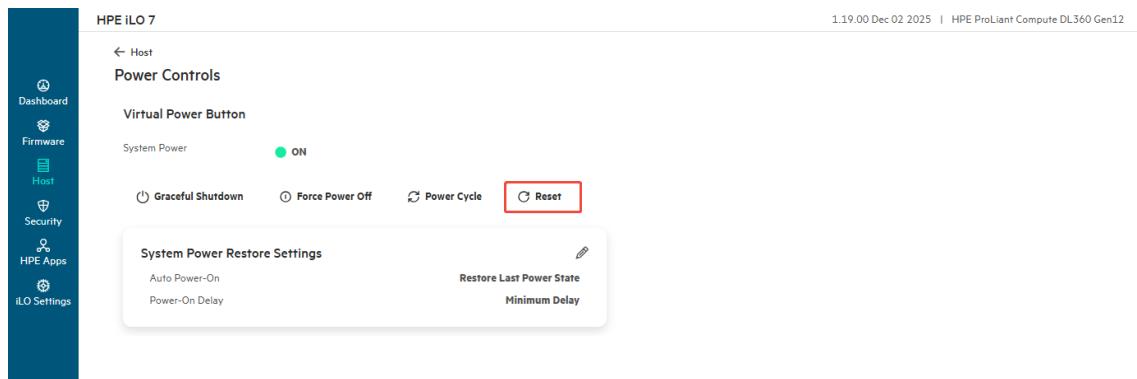
Context menu for Broadcom NX1 FW:

- View
- Install (highlighted)
- Delete

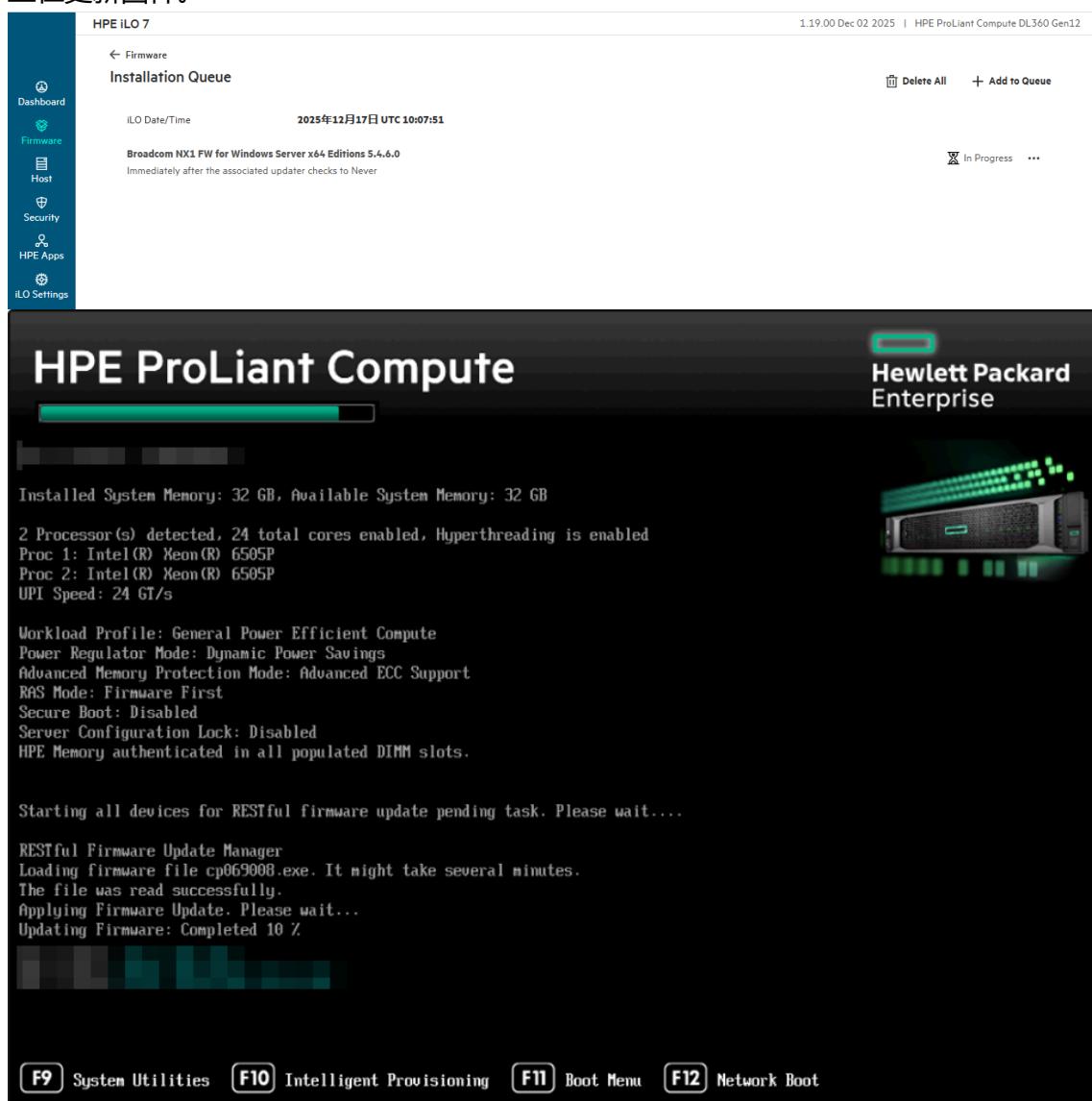


6) 在 Firmware 页面选择 Installation Queue，可查看到安装任务，状态为 Pending。

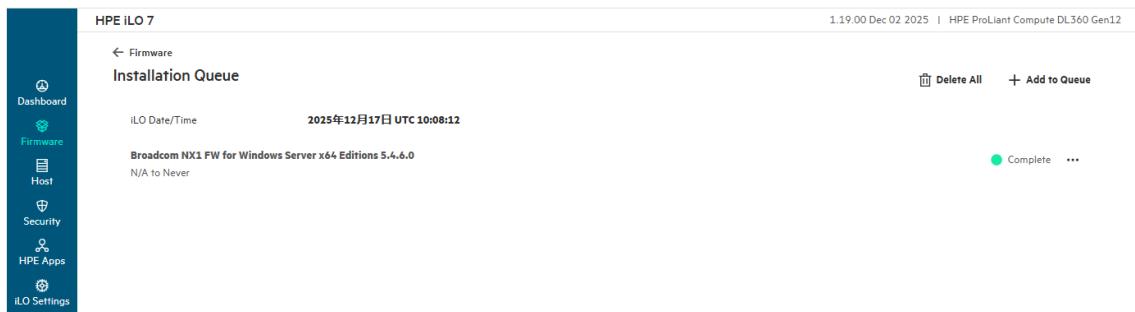
7) 通过 iLO7 页面 Power 开关选择 Reset，或长按服务器实体电源键，均可实现重启。安装任务将在服务器重启后开始执行。



8) 正在更新固件。



9) 更新完成。



#### 4. 检查固件更新后的版本

与本文<[2.通过 iLO7 检查固件更新前的版本](#)>方法一致，完成更新后可到 iLO7 相应页面查看更新后的固件版本，以验证更新是否成功。