

# SFC4500A Firmware Upgrade Guide From V1.x to SONOS V2.3.1.2 Fixed Firmware

\*\*\* Notes: Previous settings will be initialized, so please check the existing settings and back up before upgrade. \*\*\*

## 1. Firmware Information

- Product Model: SFC4500A
- Firmware version: SONOS\_2.3.1.2
- Firmware file name: SFC4500A\_SONOS\_2.3.1.2\_F.dat
- Firmware file hash value (SHA512):  
2ED0C0E52D92B137444A574D1B3A7EC3DFACA05D52AFC0EF2F541A6EBCCF48EB8C2FE960284D929DEB50  
70CF00E32012A3DA8B41F923E96AACB18FBB064D6CDD
- Image integrity check hash value (SHA256):  
3B4F570B4243414909B17DFF984CC94B55FA8F425B2123F1BE1FAC850D3735B9

## 2. Improvements (common)

- Initial boot log and boot time improvement.
- CLI command improvement. % Improved in Cisco-Like CLI format.
- Dual-String support.
- SFP Full-Auto support. (% Function to set optical SFP Speed automatically (HCD) using information of SFP module)
- PoE stability and compatibility improvement.
- Web page design and operation improvement.
- L3 Static Routing function provided.
- Device Access with basic SSH and HTTPs (443).
- Security compliance support. (Security compliance devices: SFC6800, SFC6810, ...)
- Improved in SONOS structure. (% Check [SONOS Improvements] document for details.)
- Web certificate key: 1024 -> 2048bit changed.
- Web page details improvement.
- Added show startup-config/default-config.
- Security vulnerability items improvement. (arp-proxy, source-routing, broadcast reply...)
- Improved by not using Watchdog function completely. (Occurred when activated according to conditions before)
- Full-Auto SFP 1G fixed operation bug fixed.
- Web login page and web design and operation (responsiveness and security) improvement.
- Upgrade without Reset function added (Web/CLI)
- Delayed Reset function added (Web/CLI)
- NTP time synchronization procedure improvement. (Fast time synchronization)
- Telnet/SSH port change function added. (Web/CLI)
- Improved each protocol function and performance. (PoE, DNS, ACL, DDMI, ERPS, LACP, QoS, etc.)

## 3. Upgrade information

- Fixed general image for field use: Required image (bootloader + firmware) for upgrading the product from existing firmware 1.x to SONOS 2.x
- You must upgrade to the fixed firmware image corresponding to the installed product model only.
- It is recommended to remove all SFPs and proceed with the upgrade.
- After upgrading, previous settings will be initialized, so check and back up existing settings. (Proceed after removing one uplink if any redundancy protocol like S-Ring, ERPS, STP, RSTP, MSTP is configured.)
- Avoid disconnecting the power during upgrade and automatic rebooting (time required: approximately 5 to 6 minutes)
- On web browser, open <https://192.168.10.100> and click 'Advanced', and then click 192.168.10.100 to continue at the bottom. If login window appears, enter default username "admin" and password "admin".
- After logging in, proceed with function settings again by referring to previous settings data. (Existing version 1.x backup files cannot be uploaded directly.)
- Install the SFP and connect the lines to check communication.