

SFC8100 Series Firmware Upgrade Guide From V2.5.x.x to SONOS V2.5.1.2 One-Image Firmware

*** Notes: Please check the existing settings and back up before upgrade. ***

1. Firmware Information

- Product Model: SFC8100, SFC8100-BP_2x2, SFC8100-BP_4x4, SFC8100BT, SFC8100BT-BP_2x2, SFC8100BT-BP_4x4, SFC8100G, SFC8100G-1U, SFC8100G-4U, SFC4100AB
- Firmware version: SONOS_2.5.1.4
- Firmware file name: SONOS_2.5.1.4.dat
- Firmware file hash value (SHA512):
0203974421989B585D1A02ADCFFE5C8E33DB005666B69663F2EFD43AFAA9D20152753C9AFC960C0DE84864B4D297A6F958B3B3F0FC900AF1F53A4C60DD8A99DC
- Image integrity check hash value (SHA256):
111C63BF278F0C5D9DA5ED44993C635402AB88A8ED7BD3CBD42889224EBDD9FB

2. Improvements (common)

- Initial boot log and boot time improvement.
- CLI command improvement. % Improved in Cisco-Like CLI format.
- Dual-Sring 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)

<SONOS_2.X.1.2 -> SONOS_2.X.1.4 Improvements>

- Fixed a bug where certain nodes did not communicate when Scanagent was activated in a loop structure (Sring, ERPS).
- Fixed a bug in Combo PoE LED (yellow) operation.
- Added SNMP Serial number, temperature sensor operation.
- Web: Added Combo Port and FAN items to Device info. page.
- Web: Fixed a bug in Firefox browser design.
- Web: Improved link status expression on Loop detection/MSTP settings page.
- Web: Design improvement and typo correction.

3. Upgrade information

- Common general image for field use: Required image (firmware without bootloader) for upgrading the product from firmware 2.5.x.x to SONOS 2.5.1.2
- Prior to upgrading, check and back up existing settings.
- 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 or configuration upload existing backup file directly.)
- Reconnect removed uplink if redundancy like S-Ring, ERPS, STP, RSTP, MSTP is configured if necessary.

- After upgrading, if the PoE function does not work, turn the switch off and on and check the PoE status.