

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_2.5.1.2
- Firmware file name: SONOS_2.5.1.2.dat
- Firmware file hash value (SHA512):
A6C07355A50361E25F0E26C9665BB65C0A4E73BAE889FB4D85018C2896AC791C1F7562BE14FACF0F37F4A9D
C727D45F7E6B7AC7ED5FF548266F2EAF6CCA0938C
- Image integrity check hash value (SHA256):
2A18E7C17D88F71EE0613F250C3C3704F6FC32E6D5796B6B20FC1EDF17F637D8

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)
- 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

- 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.