

Firmware Release Notes

NF18MESH - CloudMesh Gateway



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Note – This document is subject to change without notice.

Document history

This document covers the following product:

NF18MESH - CloudMesh Gateway

VER.	DOCUMENT DESCRIPTION	DATE
v1.00	Initial document release	30 June 2020
v1.01	Includes changes made in NF18MESH-NC.AU-R6B029	8 December 2020
v1.02	Includes changes made in NF18MESH-NC.AU-R6B031	30 November 2021

Table i. - Document revision history

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Firmware details

ITEM	DESCRIPTION
Model	NF18MESH
Product Name	CloudMesh Gateway
Date	30 November 2021
Firmware Version	NF18MESH-NC.AU-R6B031
Official / Beta Firmware	Official
File Name	NF18MESH-NC.AU-R6B031.EN_upgrade
File Size	33.6 MB
MD5 Checksum	2EE7053927C009D21F61266522B1608F

Version history

NF18MESH-NC.AU-R6B031

New Features

- Added WAN up time under Internet Information (TT 41585)
- Added an option to clear VoIP call history (TT 41637)
- Added support for DHCP and VoIP log under system logging (TT 42325)
- Added CID name field for VoIP settings (TT 42370)

Enhancements

- Fixed an issue with SIP registration after DHCPv6 renew (TT 39278, TT 40844)
- Updated VoIP messaging, so phone displays time based on time zone (TT 40168)
- Updated mesh agent to enhance the mesh stability (TT 41559, TT 41664, TT 41666)
- Fixed an issue where some clients were unable to connect after 2.4GHz bandwidth was changed to 40MHz (TT 41683, TT42418)
- Fixed an issue of the option "Mesh setting" not being persistent after reboot (TT 41780)
- Fixed an issue of Internet LED not indicating an incorrect PPPoE password state (TT 42034)
- Fixed RA on LAN interface to include Prefix Information Option (PIO) (TT 42095)
- Set RA default lifetime to 1800 secs as per RFC4861 (TT 42096)
- Updated IPv6 ULA default setting to 'Randomly generate' (TT 42097)
- Updated RA default router preference to Medium (TT 42098)
- Updated ULA Valid and Preferred Lifetimes as per RFC4861 (TT 42099)

- 🔧 Updated WebUI to show ULA Valid and Preferred Lifetimes in seconds and removed example text for 'Statically configure' (TT 42102)
- 🔧 Enabled Save Our Showtime (SOS) and Robust Overhead Channel (ROC) (TT 42190)
- 🔧 Updated URA Default MaxRtrAdvInterval to 600 seconds and MinRtrAdvInterval to 200 seconds as per RFC4861 (TT 42202)
- 🔧 Updated a patch for Wi-Fi Security FragAttack vulnerabilities (TT 42266)
- 🔧 Fixed an issue with DHCP option 43 and 120 support (TT 42529)
- 🔧 Fixed incorrect mapping of Wi-Fi QoS classification (TT 42809)
- 🔧 Fixed an issue of not allowing QOS queue creation with default values (TT 42810)
- 🔧 Fixed a WebUI issue of not allowing entry of a subnet mask of any length under IP filtering rules (TT 42811)
- 🔧 Fixed an issue where IP filtering rules were not reflected properly (TT 42811)
- 🔧 WebUI enhancement – highlighted connection type (TT 42812)
- 🔧 Fixed an issue where DHCP server was assigning 0.0.0.0 as secondary DNS (TT 42817)
- 🔧 Fixed an issue of PPPoE connection reestablishment after long downtime on uplink (TT 42846)
- 🔧 Fixed an issue where IPv6 Solicit message was not send by unit when uplink is broken for long (TT 42905)

NF18MESH-NC.AU-R6B029

New Features

- 🔧 Added Privacy mode support (TT 41541)
- 🔧 Added Mesh support via the wired connection* (TT 41499)

Enhancements

- 🔧 Fixed Guest WiFi password issue when the password is less than 8 characters (TT 41160)
- 🔧 Enhanced 5GHz stability (TT 40667)
- 🔧 Fixed an issue where the CPU & Memory usage page was not displaying correctly (TT 39517)
- 🔧 Cosmetic update on the UPnP (TT 40190)
- 🔧 Fixed a TFTP upload configure file issue on LAN and WAN connection (TT 40839)
- 🔧 Enhanced the WEB GUI interface with the Mobile handset (TT 40847)
- 🔧 5GHz Guest interface to be disabled when Mesh is enabled (TT 40848)
- 🔧 Updated the DNS suffix to "cloudmesh.home" (TT 40920)
- 🔧 Updated the port forwarding behaviour to accept a different server IP address range (TT 41050)
- 🔧 Cosmetic update on Statistic LAN page (TT 41336)
- 🔧 Enhance CPE security (TT 41425)
- 🔧 Address the Wireless AP steering issue* (TT 40237)
- 🔧 Fixed Speedtest issue (TT41500))

★ **Note** – This is only compatible with NS-01 FW 2.2.42

NF18MESH-NC.AU-R6B027

New Features

- ☎ Added a Description field on each DHCP static IP entry which is user configurable (TT 40560)
- ☎ Added hook and call status on the SIP page (TT 40596)
- ☎ Added WPS Mesh support when the gateway is not connected to the internet (TT40687)

Enhancements

- ☎ Fixed a memory issue on the 5GHz link (TT 40808)
- ☎ Updated the default settings on the Access Control page (TT40605)
- ☎ Fixed a cosmetic issue on the DHCP page where it shows entries when they have not been connected for 12 hours (TT40655)
- ☎ Fixed a cosmetic issue on the DHCP page where it could show an invalid MAC address entry (TT40656)
- ☎ Updated the default WiFi setting to allow a maximum of 32 clients on both 2.4GHz and 5GHz bands (TT40451)
- ☎ Updated the ETH WAN interface default settings to "No VLAN" and "Dynamic IP" (TT40557)
- ☎ Updated the VDSL interface default settings to "No VLAN" and "Dynamic IP" (TT440558)
- ☎ Enhanced the mesh stability when the AP changes its WiFi SSID or WiFi password (TT40514)
- ☎ Fixed an issue with the Gateway being unable to connect to a mesh network where the Satellite's MAC address ended with E or F (TT 40698)
- ☎ Enhanced the performance of the web user interface (TT40666)
- ☎ Fixed an issue with Port forwarding rules not correctly showing their WAN interface (TT 40592)
- ☎ Fixed an issue where applying changes remotely always shows a blank page (TT 40593)
- ☎ Fixed an issue where Hide SSID on the 2.4GHz radio could not be turned off after it was turned on (TT 40597)
- ☎ Fixed a wizard issue where it would not save the VPI/VCI value if it was not 8/35 (TT40600)
- ☎ Cosmetic updates to the QoS page (TT40474)
- ☎ Cosmetic updates to the Password page (TT40601)
- ☎ Cosmetic updates to the wizard option page and SIP settings (TT 40721)
- ☎ Cosmetic updates to the DHCP option page and SIP settings (TT40495)

NF18MESH-NC.AU-R6B022

- ☎ Initial firmware release