TARANA

BROADBAND REINVENTED

G1 Device Software Release Notes 3.615.000

vRN-G1-2025-06-v3

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Note: For the most-up-to-date manuals, please download the latest version of this document on our customer portal: support.taranawireless.com

Intended Audience

This document is intended for use by system administrators and engineers interested in the design, daily management, operations, and troubleshooting of a Tarana G1 network including Base Nodes, Remote Nodes, and the Tarana Cloud Suite (TCS).

It is assumed that the reader has a good working knowledge of radio frequency (RF), wireless systems, and networking concepts.

The G1 products are designed for installation and use by trained professionals and require adherence to all relevant regulatory, safety, and telecom industry best practice guidelines for outdoor radios. It is assumed that the Tarana G1 Base Node and Remote Nodes have been installed onsite and are connected to TCS.

Models Supported by Release 3.615.000

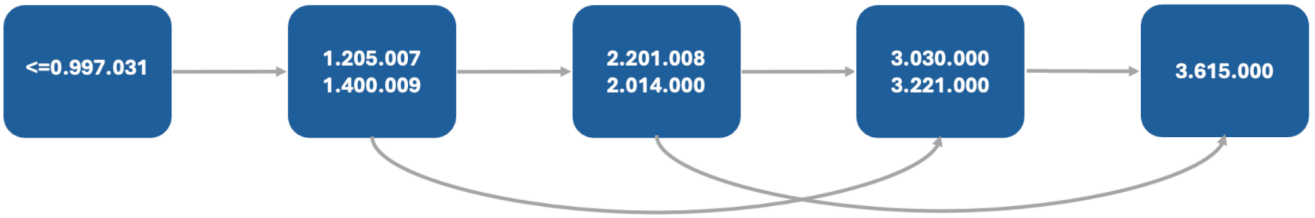
Frequency	Device Type	Part Number	Description
5 GHz	BN	30-0134-001	5 GHz Base Node
	RN	30-0128-001 30-0150-001 30-0160-001	5 GHz Residential Node
3.5 GHz	BN	30-0141-001	3.5 GHz CBRS Base Node
	RN	30-0142-001 30-0152-001	3.5 GHz CBRS Residential Node
6 GHz	BN	30-0171-001	6 GHz Base Node
	RN	30-0170-001	6 GHz Residential Node (LoS/nLoS/NLoS)
	RNv	30-0197-001	6 GHz Residential Node (LoS/nLoS)

Software Compatibility

BN → RN ↓	2.013	2.201	3.013	3.207	3.615
2.013	✅	✅	✅	✅	✅
2.201	✅	✅	✅	✅	✅
3.013	✅	✅	✅	✅	✅
3.207	✅	✅	✅	✅	✅
3.615	✅	✅	✅	✅	✅

- Any BN or RN with a current software revision 2.013 or higher can be directly upgraded to 3.615.000.
- It is recommended that sector RNs be upgraded first followed by the sector BN.
- For 6 GHz RNv with part number 30-0197-001, the minimum software version is 3.615.
- For 6 GHz RN with part number 30-0170-001, the minimum software version is 2.013.
- Deprecated SW versions: Support and defect fixes for the following versions (and all older versions) will be discontinued.
    - 2.013 - September 30, 2025

Upgrade Paths



* For deprecated versions, please use local BN or RN UI for software upgrades.

Security Fixes

N/A

Features

#	Description
1	**Support for the new 6 GHz RNv product** The RNv is a new version of Tarana's original RN designed to balance ngFWA technology advances with improved affordability. Engineered for up to 800 Mbps aggregate speeds in unlicensed 5 GHz & 6 GHz spectrum for operation in line-of-sight (LoS) and near-line-of-sight (nLoS) environments. • UNII-3, UNII-4*, UNII-5 and UNII-7 bands • 2 x 40 MHz operation • 4-antenna based system • Compatible with the 5 GHz and 6 GHz BNs. Note : Currently available for the US market. For other countries, please contact the Tarana sales team.
2	**Management Plane: Support for Stateful DHCPv6** This feature enables the configuration of BNs with IPv6 addresses for device management through stateful DHCPv6 address allocation so that customers can optimize their network setup for greater scalability, automation, and operational ease. Note: SLAAC is not currently supported for device management.
3	**Device UI Security Management** This feature will allow operators to manage the security policy once the BN and RN installation is complete. Below options are now available. • Enable/Disable HTTPS port for BN and RN locally • Enable/Disable the Admin user for the BN and RN web UI login. *This operation will be performed from TCS and will be available in Q2 2025.
4	**Support for Cyclone SFP module** The Cyclone [CYG-SFPP-10GLRI] SFP+ 10Gb (10GBASE-LR) Optical Transceiver Module Single Mode (SMF) is now supported.

*Operators need to have an STA from the FCC to operate in UNII-4 (5.850–5.895 GHz).

Defects Fixed

#	Description
G1-31820	In very rare cases, the BN would stop the RNs from connecting.
G1-31430	Fixed an RN alarm showing up in TCS with a future date.
G1-30423	IPv6 IP and prefix validations fail on management BN web UI.
G1-30964	Fixed the disconnect reason when the 3 GHz RN reboots due to constraint connected reason.
G1-30210	In very rare scenarios, the Tarana speed test shows low DL speed results.
G1-31986	Fix DHCP options parsing logic to correctly handle padding.
G1-32049	Some of the sector edge and long range links had performance degradation with 3.2 GA and 3.0 GA software.

*G1-31986 and G1-32049 are fixed in 3.0 and 3.2 patch releases.

Known Limitations

#	Description
G1-30564	Enabling DHCPv6 relay agent might result in losing the subscriber Data VLAN configuration for the RN. The workaround is to reapply the VLAN configuration for the RN.
G1-21531	When the downstream ARP broadcast is enabled, the ARP packets are broadcast to all RNs independent of the subscriber-VLAN configurations for the RNs.
G1-20784	Updating configuration parameters on BN/RN web UIs spawned through TCS might result in inconsistent behavior. The recommended approach is to use TCS to configure the parameters.
G1-23837	When an RN is configured with a primary BN, it will be selected for connection even if the search metric (signal strength) to this BN is low. There could be other BNs that have a better search metric for this RN. Please choose a different primary BN or remove the primary BN which will result in the RN connecting to the best available BN.
G1-27627	Device UI logs the user out upon refreshing the browser. Please login again.
G1-28185	In heavy-interference environments, if a speed test is executed to characterize link performance, the initial results might show lower than expected speeds. Please re-run the test multiple (4 to 5) times.
G1-28235	For SLA profiles configured with DL rates greater than 500 Mbps, the actual rates might exceed the configured rates.
G1-27358	RN UI connection history page might show the disconnect reason for RN as None.