

SOFTWARE, MANAGEMENT, AND SUPPORT FOR THE G1 FAMILY



With G1, operators are building networks that do things they never thought possible in fixed wireless. Our design for G1 combines the ease of mobile macro-cellular radio access network deployment with a simple network architecture. It's all about keeping it simple without sacrificing speed, capacity, or reliability.

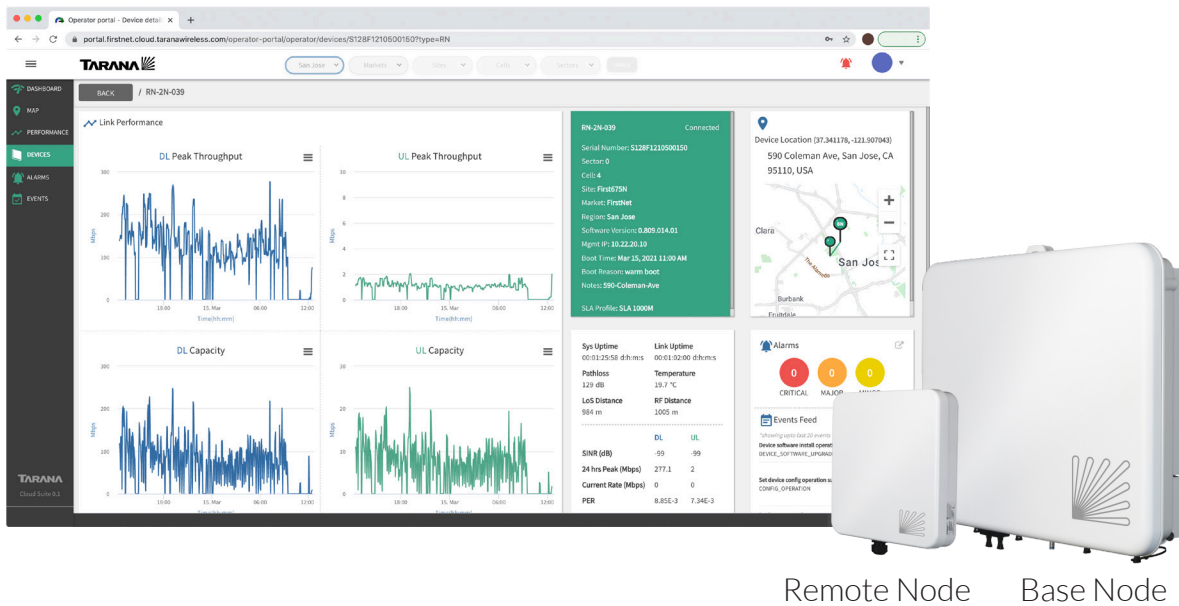
As operators deploy these reliable, high-performance fixed-wireless access networks there are a number of everyday tasks they encounter that can get in the way of delivering world-class service. So we're making this simple too. To streamline day-to-day operations, Tarana has created a subscription service for a single cloud platform, called SMS, that gives operators the tools they need for success.

SMS is comprised of three key elements, software, management, and support. The software component includes the sophisticated algorithms that allow G1 to deliver unprecedented performance in any morphology, urban, suburban, and rural, for line-of-sight, near-line-of-sight, and non-line-of-sight. This also allows access to new features and bug fixes for the Tarana nodes (BNs and RNs).

Tarana Cloud Suite (TCS), is the management component of SMS and is specifically designed to simplify, automate, and improve day-to-day monitoring and configuration of G1 family equipment, provide performance metrics and analytics, and enable easy software management.

The support component of SMS allows the network operator to access Tarana's world-class 24 x 7 technical assistance center for tools to use, manage, and troubleshoot Tarana products in their network. Technical support is based on service level agreements (SLAs) for cases by severity and impact to prioritize critical support where it's needed most. Operators can interact with support via email, chat, or telephone for their convenience with the option to self-escalate issues at their discretion.

Interested in learning more? Get in touch with us at [taranawireless.com/how-to-buy](https://www.taranawireless.com/how-to-buy)



Remote Node Base Node

SMS Advanced Software Features

- › ABIC (Asynchronous Burst Interference Cancellation)
- › Autonomous, adaptive co-channel interference cancellation
- › Distributed Massive MIMO (DM-MIMO)
- › Universal frequency reuse (k=1)
- › 6 MU-MIMO layers (BN)¹
- › NLoS and nLoS operation
- › Flexible UL/DL ratios
- › QoS and CIR features
- › Carrier aggregation
- › Precise digital beam and null forming on both Tx and Rx

¹ Up to 8 MU-MIMO layers in a future release

² US CBRS models only

Tarana Cloud Suite (TCS) Features

- › Software updates
- › New features and bug fixes
- › Auto-configuration of RNs
- › Alarm management, including email alerts, alarm correlation, and user-defined thresholds
- › Event management
- › BN & RN automated upgrades
- › Performance monitoring and KPIs
- › REST API support
- › Multi-tenancy
- › SAS domain proxy²

Tarana Wireless, Inc. is the industry's performance leader and new category creator in ngFWA (next-generation fixed wireless access), powered by a number of well-proven breakthroughs in precise, multidimensional optimization of radio signals. Its G1 access platform overcomes previously insurmountable network economics challenges for service providers in both mainstream broadband and underserved markets, using free unlicensed spectrum. Unit sales of G1 in its first year are sufficient to cover 15M households, with millions more in the pipeline. The company is headquartered in Milpitas, California, with additional research and development in Pune, India.