

## StarNSM IP Access Point

### Using next-generation Wireless IP technology

With performance up to 15x faster than traditional 802.11b networks, many features of the new 802.16 specification, and all of the features in the new 802.11a (4.9 - 6.1 Ghz) and 802.11g (2.3 - 2.7 Ghz) specifications are standard to the StarNSM feature lineup. We use this board-level technology in our own "system builds."

### Supported features:

- Super A/G (Hardware compression, aggregation and bursting).
- Data throughput of 26 mbps in Standard and 43 mbps in Turbo
- Data Compression for throughput approaching 60 mbps in Standard 54 mbps Mode.
- Packet Aggregation improves VOIP and video latency.
- QOS packet prioritization for improved VOIP latency and jitter.
- 108Mbps TURBO (802.11a and 802.11g Channel Bonding)



- Advanced rate control for Error Correction support; reliable connections for both long-range links and local access

### Advantages

- Greater bandwidth; better link stability
- Better interference mitigation, including RF pollution and obstruction survival
- More latency and jitter reduction, important for video delivery
- Can aggregate backhaul links
- Unique 5MHz and 10MHz channel widths/spacing across 900MHz, 2.4/4.9/5GHz
- A Cloaking Mode that operates quite well directly in the face of interference generated from WiFi units like Cisco

- Immunity to eavesdroppers. StarNSM appears as just a bit of background noise to WiFi units --like Cisco -- and to anyone using WiFi equipment to attack a network.
- Ability to mesh network in a way far superior to competing systems.
- The ability to scale without issue
- Versatility – you can use a combination of 900MHz, 2GHz, 4.9GHz (if applicable) and 5GHz in the same unit with our systems. So, if any issues with foliage or obstructions occur, you can use a 900MHz link to avoid them. One of our four (4) radio systems can handle combining feeds across all these frequency bands.
- And, finally, StarNSM is Affordable!!

