# GXT 9802

## G.Hn Coax Gigabit Extender

*Utilizes Existing Coax Cable as a Viable Alternative to Running Cat 6/7*

*Delivers High Performance, Security, and Reliability While Saving Money and Time*

*Ideal for Connecting Wireless Access Points, Smart TVs, and Streaming Devices*

For performance, throughput and latency, hardwired Cat6/7 beats powerline and wireless home networking technologies hands-down. However, if pre-existing Ethernet is unavailable, snaking Cat6/7 cable through walls, ceilings, and basements is cumbersome and resource intensive. Another excellent hardwire option fortunately exists in coax cable and is available in over 80% of North American homes.

Typically lying dormant in most homes and apartments, AirSonics capitalizes on this untapped transmission resource by introducing the GXT 9802 G.hn Coax Bridge. Leveraging the Wave-2 version of the ITU-T Recommendations (G.996x) standard, the GXT 9802 is a cost-effective alternative for utilizing existing coax cable to create an integral component of a local area network.

| FEATURES | BENEFITS |
|---|---|
| • Utilizes existing coax cable network | • No new wires saves installer time from running Cat6/7 cable |
| • Coax availability in fiber deployments | • Enables coax utilization for DOCSIS based providers |
| • High-capacity transmission up to 1 Gbps | • Ideal for 4K streaming, online gaming, and connecting Managed Wi-Fi APs |
| • Quick and easy set up | • Readily available LAN |
| • Higher throughput and decreased latency and jitter | • Substantially improves performance as Wi-Fi AP backhaul |

## MDUS

Quite often, deficient and aging Cat5 or older cabling exists in MDUs (Multiple Dwelling Units). Running new Ethernet cable in most MDUs is either impossible, impractical, or unsightly for finicky consumers. Alongside this problematic and typically unusable transmission medium is unused coaxial cable in many MDU environments. Installers can now exploit existing coax using GXT 9802 plug-and-play technology to deliver a reliable and secure internet connection.

## SFUS

Many mid-sized and larger single-family units/homes (SFUs) are Wi-Fi challenged with well-publicized dead zones thanks to subscribers using Facebook as their primary customer support. Time-constrained while under the mindful supervision of impatient subscribers, installers need a quick and reliable Easy Button to provide for that instant fix. Requiring a reliable connection to Smart TVs, streaming devices, Set Top Boxes (STBs), game consoles, security cameras, and wireless Access Points (APs), field techs don't have time to run Cat6/7 cable. Fortunately, the coax network provides an excellent medium to connect these devices and provide a convenient and reliable bridge to wireless networks.
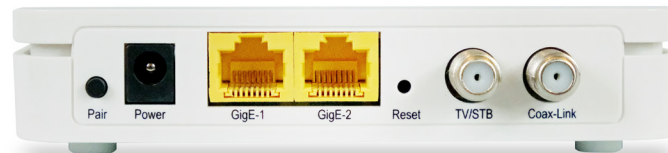
## MANAGED WI-FI'S BEST SUPPORTING ACTOR

Delay-sensitive gamers, profession speed testers, and monthly terabyte data users are all constantly pushing the envelope of a BSP's Managed Wi-Fi service. While industry-leading Mesh-based and Client-Steering products like AirSonics StratiFi™ and MagnaFi™ Wi-Fi can deliver Total-home coverage, connecting APs with the GXT 9802 can easily double device throughput and dramatically decrease latency, jitter, and packet loss. The end result – happy customers that never call to complain again.

## WHY AIRSONICS?

Deployed in 30 million homes globally, AirSonics and partner AirTies bring world-class Wi-Fi solutions to Broadband Service Providers serving North America's heartland. Leveraging extensive knowledge gained in 20+ years Wi-Fi experience, we provide compelling, targeted, and cost-effective end-to-end solutions with personal technical support. Privately held with unwavering focus, AirSonics' customers are our Board of Directors.

*Please Note: While the GXT 9802 is suitable for DSL, Fiber, and Broadband Wireless access networks, it is NOT compatible with active DOCSIS networks using the 5 – 200 MHz spectrum.*

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SPECIFICATIONS

| | | |
|---|---|---|
| **RJ-45 ports:** 2 Gigabit Ethernet | **Frequency:** 5 – 200 MHz | **Operating humidity:** 10 ~ 85% |
| **Coax F-connector:** 1 for G.hn transmission, 1 for connected device | **Access method:** CSMA/CA and TDMA | **Standards:** ITU G.9960, 9961, 9962, 9964, QoS |
| **PHY Rate:** Up to 2 Mbps, 1 Mbps throughput typical | **Power:** 100 ~ 240 V AC | **LAN standards:** 802.3i, 3u, 3ab |
| **LEDs:** 1 Ethernet, 1 Coax-link, and 1 Power | **Power consumption:** 4 W | **Security:** 128-bit AES encryption with key management |
| **Buttons:** 1 pairing and 1 factory reset | **Operating temperature:** 0° ~ 40° | **IGMP:** IPv4/IGMP v1, v2, v3; IPv6 transparent mode (excludes multicast) |
| **Dimensions:** | **Storage temperature:** 0° ~ 40° | |

## AIRSONICS

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