



StratiFi™ 4930

Total-Home Managed Wi-Fi

Whole-home/small-business dual-band Wi-Fi coverage

True Mesh design with Dynamic Band & Client-Steering

Proactive, visually-driven Wi-Fi remote management

Explosive 4K TV, Virtual Reality headsets, and unprecedented online video streaming are fueling an insatiable subscriber need for speed. Once tasked with merely delivering to the demark, Broadband Service Providers (BSPs) now must offer flawless broadband all the way to the Consumer Electronics (CE) device to meet accelerating customer demands. Traditionally tethered to a static location, bandwidth-intensive video streaming devices now roam throughout the home creating a Wi-Fi coverage nightmare. Adding to the Wi-Fi chaos are “dumb” CE devices making poor Wi-Fi connection decisions, often to the detriment of other devices. Leveraging experience from managing 25 million field-deployed connected devices, AirSonics introduces the StratiFi 4930 from AirTies. Utilizing a 4x4 antenna design and patented Client-Steering technology, the StratiFi 4930 offers 40% higher mesh link speed and capacity. Installers appreciate the significantly shorter setup time while customers reap interference mitigation and performance benefits from dynamic channel change enhancements. Finally, RemoteManager pioneers a revolutionary customer service paradigm shift empowering BSPs to proactively troubleshoot and remotely resolve customer Wi-Fi issues before they occur.

FEATURES

- True Mesh leapfrogs home-run and tree topologies
- Band (frequency) and Client-Steering
- Advanced voice & video QoS packet classification
- Robust 4x4 antenna design with MU-MIMO
- Unrivaled visual remote diagnostics and management
- iOS and Android installation and subscriber apps
- Zero Wait DFS (Dynamic Frequency Selection)
- DFS channel support and Dynamic Channel Change
- Automatic firmware updates

BENEFITS

- Extends ubiquitous Wi-Fi coverage with unrivaled performance
- Ensures mobile and streaming devices connect at the optimal frequency and speed
- Prioritizes latency-sensitive traffic over standard data traffic
- 40% mesh link speed increase and more simultaneous throughput to more devices
- RemoteManager empowers BSPs to proactively troubleshoot and resolve issues remotely
- Expedites installation and offers value-added subscriber management features
- Significantly reduces installation setup time
- Mitigates interference, improves performance, and dynamically adjusts if needed
- Minimal human intervention required for keeping firmware current

True Mesh vs Tree Topologies

As Total-Home coverage requires multiple APs in most homes today, two approaches exist (1) a tree topology in which additional APs each connect to a gateway and (2) True Mesh where all APs connect to each other. With the meteoric rise of mesh, many vendors rushed to market with problematic tree topologies disguised as mesh. As all traffic in a tree flows through a gateway, switching between APs often results in aggravating video streaming disruptions. With only the gateway measuring interference, poor channel selection occurs frequently in trees along with chronic device disconnects due to DHCP inefficiencies. AirTies' distributed intelligence resulting from APs in constant communication empowers subscribers to now stream and roam anywhere in the home. Our True Mesh architecture exponentially reduces device disconnects and interference while our least-cost path produces superior peer-to-peer performance. Finally, AirTies punctuates True Mesh delivering stunningly higher throughput from a unique and flexible hybrid 5 GHz and Gig-E backhaul.

Dynamic Client-Steering, QoS, and MU-MIMO

Without any higher level control, Wi-Fi devices make the network connection decision. Often they hastily select the strongest signal, which unfortunately is the congestion-prone and performance-limited 2.4 GHz band. Leveraging AirTies patented and field-proven Client-Steering technology, our True Mesh intelligent routing steers ANY device to the optimal AP and frequency regardless of client-dependent roaming or steering standards support. Intelligent routing also prioritizes delay-sensitive video and voice services over other Wi-Fi traffic. Subscribers will experience impressive speed and performance improvements from MU-MIMO which allows multiple CE devices to communicate simultaneously with the True Mesh network.

Intuitive iOS and Android Customer Apps

Tech-savvy or tech-averse, your customers can take command of their network with the easy-to-use AirTies Wi-Fi app. Home or away, subscribers can quickly change their password, add a guest network, or view network topology and connected device status. Profile-based parental controls will keep teens in line when you're not around, and when you are, instantly get your family's undivided attention with Wi-Fi Pause.

Proactive Zero Dispatch vs Reactive Truck Roll Paradigm Shift

Though TR-069 Auto Configuration Servers (ACS) are useful for remotely managing Customer Premise Equipment (CPE), they are ill-equipped to undertake Wi-Fi's unique and demanding network assessment requirements. The end result – a reactionary approach to fielding disgruntled customer service trouble calls – half of which lead to costly truck rolls. RemoteManager's extensive suite of visually based troubleshooting and diagnostics data combined with customizable reports enables BSPs to identify issues typically before subscribers notice. BSPs can remotely resolve many problems with Live View and Live Controls eliminating the highly inefficient truck roll. Whether remotely scanning the home RF spectrum for interference or evaluating connection time, signal quality, or data usage of ANY client device anytime over the past week, RemoteManager delivers invaluable information in a graphically friendly format. With RemoteManager, Tech Support agents can now focus their efforts on preventative maintenance rather than reactionary fire drills.

AirTies Infused!



PHYSICAL CHARACTERISTICS

Ports: 2 Gigabit Ethernet LAN (RJ45)
LEDs: Power, 2.4GHz WLAN, 5GHz WLAN
CPU: Broadcom BCM4708C0 1 GHz ARM Cortex-A9 dual-core
5 GHz Chipset: Broadcom BCM4366E 4x4 11ac (2.2 Gbps)
2.4 GHz Chipset: Broadcom BCM43217 2x2 11n (300 Mbps) with External FEMs
WPS Button: simple setup and secure connection with WPS-supported devices
Reset Button: return to factory settings
Dimensions: 100mm(H) x 108.4mm(D) x 41.5mm(W)
Power: 12V DC, 1A
Adapter Operating Voltage: 100V-240V AC
Operating Temperature: 0°C ~ 40°C
Storage Temperature: -40°C ~ 70°C
Operating Humidity: %10 ~ %90

WI-FI SPECIFICATIONS

Standards: IEEE 802.11b, 802.11g, 802.11a, 802.11n, 802.11ac, 802.11d, 802.11h, 802.11e, 802.11i, 802.11v standards compliant
Connection: 2.5 Gbps (2.2 Gbps on 5GHz + 300Mbps on 2.4GHz)
Frequency Range: 2.400 to 2.485 GHz, 5.150 to 5.250 GHz, 5.250 to 5.350 GHz, 5.470 to 5.725 GHz, 5.725 to 5.850 GHz
Transmit Power: Max 20 dBm EIRP @ 2.4 GHz, max 23dBm EIRP @ 5 GHz (including antenna gains)
Security Options: WPA2-Enterprise, WPA2-Personal, WPA-Enterprise, WPA-Personal

OTHER PROPERTIES

Remote Manager: cloud-based remote management
Software: iOS and Android apps for installer and consumer
UPnP: Universal Plug & Play Internet Gateway Device
Certificates and Standards: CE, FCC, IDA, NTC, Wi-Fi Alliance, Code of Conduct Energy Efficiency v5



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