AIRSONICS
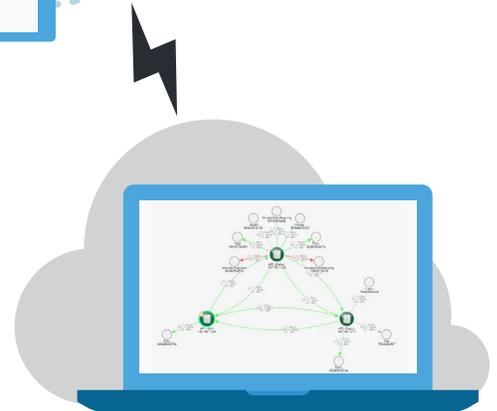### BROADBAND, WIRELESS, AND VIDEO EVERYWHERE

StratiFi™ 4920
Premium Managed Wi-Fi Mesh

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

Self-healing mesh design with dynamic traffic optimization

RemoteView cloud-based premium Wi-Fi remote management

Wi-Fi dead zones – practically every residential and small-business subscriber has them. Adding to poor coverage, "dumb" wireless devices with little or no network knowledge, compromise performance for all devices by connecting to the wireless network of their choosing. Despite the fact most Broadband Service Providers (BSPs) don't offer Wi-Fi service, subscribers who can't differentiate Wi-Fi from Internet eventually call the BSP to resolve a problem that isn't theirs. Exacerbating the issue, BSPs have little resources and tools to remotely troubleshoot Wi-Fi related issues and have few other options but to roll a truck or reluctantly state "it's not our problem." Leveraging our multicast IPTV video expertise, AirSonics delivers a revolutionary wireless approach to resolving this rapidly growing challenge. Utilizing a dual-band mesh network, an innovative client-steering architecture, and a comprehensive cloud-based remote management system, StratiFi™ 4920 from AirSonics delivers matchless premise Wi-Fi coverage and video streaming capabilities. The result – happy subscribers, reduced truck rolls, and a new BSP monthly recurring revenue opportunity.

FEATURES

- Mesh architecture leapfrogs legacy "home-run" approach
- Band frequency and client steering
- Concurrent dual-band 11ac and 2.4 GHz 11n
- Integrated self-healing design
- Unrivaled remote statistics information
- iOS and Android installation apps
- Cost-effective 11ac Wi-Fi upgrade approach
- Supports Dynamic Frequency Selection (DFS) channels
- Automatic firmware updates

BENEFITS

- Extends ubiquitous Wi-Fi coverage throughout homes and small businesses
- Ensures mobile and streaming devices connect at the optimal frequency and speed
- Delivers fastest speeds for latest bandwidth-intensive video streaming or legacy devices
- Drastically reduces Wi-Fi trouble calls and truck rolls while elevating subscriber satisfaction
- RemoteView empowers BSP to virtually visit and troubleshoot subscribers' networks remotely
- Expedites installation and ensures optimal Wi-Fi network performance
- Offers carrier-class 11ac and legacy Wi-Fi without costly retrofit
- Exploits lightly utilized DFS channels to mitigate interference issues and improve performance
- Minimal human intervention required for keeping firmware current

Intelligent Auto Mesh

In the past, the legacy Wi-Fi "home-run" approach in which wireless devices connect back to a central location worked alright. However, with the dramatic increase in streaming devices and their mobile nature, flaws in the "home-run" Wi-Fi design quickly surfaced. Despite remarkable bandwidth and technology advances, "home-run" limitations intensified with 802.11ac as coverage for the latest Wi-Fi standard was only 60% of 11n 2.4 GHz. Frequent disconnects, buffering, erratic mobile device connection speeds, and underperforming 11ac-enabled devices became common "home-run" subscriber complaints. Using small, low-power, and intelligent Access Points, StratiFi 4920 blankets any size home or small business using a scalable and intelligent mesh design. Eradicating dead zones, the StratiFi 4920 offers subscribers the freedom to stream in areas previously off-limits.

Dynamic Client Steering

Ironically and contrary to popular belief, wireless routers and Access Points have little influence in determining how devices connect to them. Without human intervention, most wireless devices will simply choose the one with the strongest signal, typically the more congested, performance-limited, and problematic 2.4 GHz band. Seizing control from these "dumb" devices, StratiFi 4920 implements a unique client-steering element to link the devices to the optimal frequency and Access Point (AP). In addition to connecting the video streaming tablet to the fast-track 11ac AP, client-steering algorithms will dynamically transfer the streaming device to the closest AP if the user relocates to another room served by different AP. StratiFi's auto-healing, client-steering, and auto-mesh features translate into a drastic reduction of trouble calls, truck rolls, and higher subscriber satisfaction ratings.

RemoteView Remote Management System

Though TR-069 Auto Configuration Servers (ACS) are quite useful for remotely managing Customer Premise Equipment (CPE), they are ill-equipped to undertake the unique and demanding network assessment requirements associated with Wi-Fi. An extensive suite of graphical information including a comprehensive network diagram depicting all connected devices along with their Wi-Fi performance statistics provides the BSP tech a quick overview of the subscriber's overall Wi-Fi network health. Whether a concise executive overview or an in-depth detailed listing of antenna architecture, connection time, signal quality, or data usage of ANY Client device in ANY home or business, the RemoteView displays the statistics graphically in an easy-to-analyze format. In concert with StratiFi's MeshWise™ and DynaSteer™ features, RemoteView empowers BSPs to harness what was previously a chronic-and-labor intensive subscriber challenge and expense — and transform it into a rewarding monthly recurring revenue opportunity.

AirTies Infused!

PHYSICAL CHARACTERISTICS

Ports: 2 Gigabit Ethernet LAN (RJ45)

LEDs: Power, 2.4GHz WLAN, 5GHz WLAN, WPS

Reset Button: return to factory settings

WPS Button: for simple setup and secure connection with WPS-supported wireless devices

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, 802.11e, 802.11i standards compliant

Communication Rates (Mbps): 802.11a/b/g: 1, 2, 5.5, 6, 9, 11, 12, 18, 24, 36, 48, 54

802.11n: 6.5 to 300

802.11ac: 6.5 to 1300

Frequency Range: 2.4000 GHz to 2.4835 GHz, 5.150GHz to 5.250GHz, 5.250GHz to 5.350GHz, 5.470GHz to 5.725GHz, 5.725GHZ to 5.850GHZ

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, WEP (64/128bit)

OTHER PROPERTIES

RemoteView: 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

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All specifications in this document are subject to change without notice.

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