Air 4960

Wi-Fi 6 Mesh Extender

Wi-Fi 6 Complete Wireless Solution

The Air 4960 is the latest addition to the AirTies access point portfolio. It provides ultra-reliable, unprecedented high speed for the demanding requirements of today's bandwidth-hungry applications.

The Air 4960 is designed to support the latest client devices with the super-fast 802.11ax technology for the most latency-sensitive applications, such as 4K video streaming or online gaming.

AirTies Mesh and Cloud Platform

With the real-time adaptability of its mesh AP software, AirTies smart Wi-Fi dynamically establishes the best link between the data source (usually the internet through the operator router or gateway) and each client device.

As Wi-Fi 6 capable smartphones become the norm, demanding higher speeds and performance, the gap widens in capabilities for the growing number of devices within the home. With its advanced steering and channel management techniques, AirTies mesh also ensures the best possible wireless performance for the multitude of legacy wireless devices that compete for airtime.

AirTies Cloud management platform is fully compatible with all AirTies mesh networks. The hybrid cloud-edge architecture is the most cost-effective and responsive way to scale any Wi-Fi deployment and it also allows for accurate customer diagnostics and troubleshooting.

AirTies Client Steering

AirTies' advanced steering technologies maximize device connection speeds and home network capacity. Overall airtime capacity is improved up to 3 times and the performance of each device profile is enhanced through steering to different nodes and Wi-Fi bands/channels. Even sticky client devices ("bad apples") are steered to minimize disruption on the Wi-Fi network.

Advanced Interference Avoidance

With DFS certification, AirTies mesh APs can take advantage of additional DFS channel options, giving even greater flexibility for client steering. This ensures a faster, more fluid Wi-Fi experience for end-users.

AirTies' cloud-based channel planning also offers significant improvements in airtime efficiency as it determines the optimal settings – for each household – based on real-life usage patterns.

Easy Self-Installation by Homeowner

A number of easy installation mechanisms are available, including by QR code scan or by one-touch WPS (Wi-Fi Protected Set-up), both guided by the AirTies Vision app. A zero-touch option can also be arranged through pre-provisioning at the service provider's warehouse or retail store.

Duo packs and trio packs are pre-configured to mesh automatically with each other on installation and additional nodes can be added to the network by simply pressing the WPS button. Any configuration changes, such as a password change on an AirTies AP automatically propagate to the rest of the mesh network.

AirTies mesh ensures the best links are automatically selected for all connections. If one of the devices is placed in a less than optimal position, the flashing LED on the node or the instructions on the AirTies Vision app will warn the home owner.

AirTies Vision Mobile App

Once installed, the app also allows home owners to manage their network. They can visualize the topology, devices and performance as well as enable Parental Controls or Guest Network access for visitors – available on both iOS and Android devices.

Ethernet Backhaul Option

Providing wall-to-wall coverage without cables running across the floor, all AirTies mesh devices also support in-wall data cabling as an option, to establish an Ethernet backhaul. This feature gives a major boost to the total airtime capacity, coverage and performance of the home Wi-Fi network.

Main Features

- **All-in-one Solution:** 5400 Mbps dual band concurrent (5GHz and 2.4GHz) mesh access point
- **Wireless Connection:** AX5400 wireless mesh unit compliant with Wi-Fi 6 (802.11ax) and legacy standards
- **Backward Compatible:** Compatible with 802.11a/b/g/n/ac wireless standards
- **Remote Management:** Both AirTies Cloud diagnostics & management and support for TR-069, TR-0181.
- **Easy Installation:** Self-setup options for homeowners with WPS button or QR code scanning to securely connect
- **AirTies Mesh Technology:** AirTies mesh circumvents limitations on coverage, robustness and capacity imposed on wireless home networks by the conventional star topology
- **Guest Network** Allows homeowners to grant visitors access to the Internet through their network
- **IPTV-ready:** QoS, IGMP support
- **Advanced Wireless Security:** WPA3, WPA2-PSK, WPA2-802.1x, WPA-PSK, WPA-802.1x
- **Automatic Firmware Upgrade:** Automatic and simultaneous update of firmware upgrade for all deployed AirTies access points; update possible with https or TR-069

Technical Properties

- **Single Multi Color LED:** Indication for Power on/off, Wireless connection, WPS
- **Wireless Standards:** Compliant with IEEE 802.11b, 802.11g, 802.11a, 802.11n, 802.11ac, 802.11ax, 802.11d, 802.11h, 802.11e, 802.11i standards
- **Operation Modes: 2.4 GHz:** 802.11b, 802.11g, 802.11n (HT20), 802.11n (HT40), 802.11ac (VHT20), 802.11ac (VHT40), 802.11ax (HE20), 802.11ax (HE40) **5 GHz:** 802.11a, 802.11n (HT20), 802.11n (HT40), 802.11ac (VHT20), 802.11ac (VHT40), 802.11ac (VHT80), 802.11ac (VHT160), 802.11ax (HE20), 802.11ax (HE40), 802.11ax (HE80), 802.11ax (HE160)
- **DFS Support:** AirTies mesh is certified for DFS Channel support, provides more options on the frequency spectrum, less-interference channels.
- **OFDMA and MU-MIMO support** for efficient data streaming and stabile connections.
- **Reset Button:** to return to factory settings
- **WPS Button:** for simple setup and secure connection with WPS supported wireless devices
- **Certificates and Standards:** CE, FCC, IDA, IC, NTC, Wi-Fi Alliance

Design Characteristics

- **Dimensions:** 115mm(H) x 103mm(D) x 42mm(W)
- **Power:** 12V DC 1A
- **Power consumption:** Maximum power consumption of networked standby mode is 4.50 W.
- **Adapter Operating Voltage:** 100V-240V AC
- **Operating Temperature:** 0°C ~ 40°C
- **Storage Temperature:** -40°C ~ 70°C
- **Operating Humidity:** 10% ~ 90%