

Ruckus ZoneFlex T710 Dual Band 4x4:4 802.11AC Wave 2 Outdoor Smart WiFi Access Point



Product Name: Ruckus ZoneFlex T710 Dual Band 4x4:4 802.11AC Wave 2 Outdoor Smart WiFi Access Point

Manufacturer: -

Model Number: 901-T710-WW01

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The Ruckus ZoneFlex T710 combines Ruckus patented technologies and best-in-class industrial grade design with next generation of 802.11ac features to deliver industry-leading Wi-Fi performance, reliability and coverage for challenging high density outdoor deployments. Featuring BeamFlex+ adaptive antenna technology, the ZoneFlex T710 offers a substantial increase in performance and range by optimizing antenna coverage on a per client, per transmission basis.
Ruckus ZoneFlex T710 Key Features

- Concurrent dual-band (5 GHz/2.4 GHz) support
- 2,533 Mbps maximum PHY rate (1733 Mbps in 5GHz; 800 Mbps in 2.4GHz)
- BeamFlex+ (PD-MRC) smart antenna, with support for 4,000+ unique antenna patterns enables up to 4 dB of additional gain and up to 10 dB of additional interference mitigation
- Antenna options: omni-directional and 120x30 degrees sector
- Unmatched Rx sensitivity down to -104 dBm
- Improved Maximum Ratio Combining (MRC) for best-in-class receive sensitivity
- 802.11ac standard Tx Beamforming
- Space Time Block Coding for increased handset performance
- Low Density Parity Check (LDPC) for increased data throughput at all ranges
- 256-QAM support on 5GHz and 2.4GHz
- Backward compatible with legacy 802.11 clients
- Dedicated dual band RF monitor enabling enhanced performance while providing Zero-Wait DFS capability
- 2 10/100/1000 Ethernet ports

BeamFlex+ additionally mitigates co-channel interference by directing Wi-Fi signals where they are needed instead of towards neighboring access points. The T710's BeamFlex+ adaptive antenna system is also equipped with dual polarization antennas, allowing the access point to adapt to the physical orientation of client devices and maximize uplink performance. With throughput capacities of 800 Mbps (2.4GHz) and 1733 Mbps (5GHz), the ZoneFlex T710 supports the highest available throughput for Wi-Fi clients. 802.11ac Multi-User MIMO (MU-MIMO) support allows the T710 to simultaneously transmit to multiple MU-MIMO capable devices, drastically improving airtime efficiency, overall throughput, and availability. The T710 is compatible with a wide array of MU-MIMO, SU-MIMO and legacy Wi-Fi clients.

Ruckus ZoneFlex T710 - Technical Specifications PHYSICAL CHARACTERISTICS

- POWER AC Input: 100-250 Vac, 50/60 Hz PoE: 802.3at
- PHYSICAL SIZE • 31.7 cm (L), 24.1 cm (W), 9.5 cm (H)
- WEIGHT • 6.5 lbs
- RF Adaptive antenna array: 4,000+ unique antenna patterns, polarization diversity Maximum Transmit Power: 28 dBm on 2.4 GHz; 28 dBm on 5 GHz Physical antenna gain: 3 dBi (2.4 and 5GHz) BeamFlex SINR Tx gain2: up to 6 dB BeamFlex SINR Rx gain: up to 3-5 dB Interference mitigation: up to 15 dB Minimum Rx sensitivity3: -104 dBm
- ETHERNET PORTS 2 Ethernet ports, auto MDX, auto-sensing, 10/100/1000 Mbps, RJ-45 Power over Ethernet (802.3at) with Category 5/5e/6 cable Power over Ethernet (802.3at) Output with Category 5/5e/6 cable Link Aggregation (LACP) SFP port to support fiber backhaul SFP to

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support fiber backhaul

- ENVIRONMENTAL CONDITIONS Operating Temperature: -40°F (-40°C) to 149°F (65°C)
- Operating Humidity: up to 95% noncondensing
- POWER CONSUMPTION • 5.5W (minimum) 10.4W (typical) 25W peak

PERFORMANCE AND CAPACITY

- PHY DATA RATES Up to 800 Mbps (2.4GHz) Up to 1733 Mbps (5GHz)
- CONCURRENT STATIONS • Up to 512
- NUMBER OF SIMULTANEOUS
- VOIP CLIENTS Up to 30

NETWORK ARCHITECTURE

- IP • IPv4, IPv6, dual-stack
- VLANs 802.1Q(1 per BSSID or dynamic, per user based on RADIUS) Port-based
- 802.1X FOR WIRED PORTS Authenticator Supplicant
- TUNNELING • L2TP, PPPoE

MULTIMEDIA AND QUALITY OF SERVICE

- 802.11e/WMM • Supported
- SOFTWARE QUEUES • Per WLAN priority (2), Per traffic type (4), per client
- TRAFFIC CLASSIFICATION • Automatic, heuristics and TOS based or VLAN-defined
- RATE LIMITING • Dynamic per-user or per-WLAN

MANAGEMENT

- DEPLOYMENT OPTIONS Standalone (individually managed) Centrally managed

WI-FI

- STANDARDS 5 GHz IEEE 802.11ac 2GHz IEEE 802.11g/n
- FREQUENCY BANDS IEEE 802.11g/n 2.4-2.472GHz (ch1-13 CE, ch1-11 US) IEEE 802.11ac 5GHz U-NII-1 5.15-5.25 GHz U-NII-2 5.25-5.35 (DFS) U-NII-2B 5.37-5.47† U-NII-2C 5.47-5.725 (DFS) U-NII-3 5.725-5.825 ISM 5.725 – 5.875 U-NII-4 5.85-5.925†
- RADIO CHAINS/STREAMS Dual band concurrent 2 x 2:2 stream radios
- MIMO SU-MIMO – up to 4 streams MU-MIMO – up to 3 streams
- MAXIMUM TX POWER* 26 dBm for 2.4GHz 25 dBm for 5.0GHz
- CHANNELIZATION 2.4GHz 802.11b/g/n 20/40 MHz 5GHz 802.11a/n/ac 20/40/80 MHz
- BSSID Up to 16 (2.4 GHz) Up to 16 (5 GHz)
- CERTIFICATIONS** WEEE/RoHS compliance EN 60601-1-2 Medical Wi-Fi Alliance certified*

Please Enquire

Options available for Ruckus ZoneFlex T710 Dual Band 4x4:4 802.11AC Wave 2 Outdoor Smart WiFi Access Point :

ZoneDirector Licence Required?

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ZD1200 Single AP Licence, [No](#).

Ruckus PoE Injector Required?

[No](#), [Yes](#).

Support Required?

[No](#), [WatchDog End User Support](#).