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Overview

The RUCKUS 901-T301-WW51, a dual-band 802.11ac outdoor access point (AP), is designed explicitly for high density user environments such as stadiums, arenas, train stations, convention centers, and major metro areas. The T301 is the only 802.11ac access point on the market to integrate Ruckus patented technologies for enhancing WLAN capacity in challenging high density applications.

Quick Specs

Figure 1 shows the appearance of 901-T301-WW51.



Table1 shows the Quick Specs.

SKU	901-T301-WW51
Power	802.3af PoE Input (Class 3 PD)
Mounting Options	Wall Mount Pole Mount Diameter 1" to 2.5"
BSSID	Up to 32 (27 configurable) on 2.4 GHz Up to 16 (13 configurable) on 5 GHz
WiFi Standards	5 GHz IEEE 802.11ac 2GHz IEEE 802.11g/n
Environmental Conditions	Operating temperature range: -20°C to 55° C Weather protection: IP67 per IEC 60529
Degree Sector Coverage	120x30 degree

Product Details

Figure 2 shows the front panel of 901-T301-WW51.



RUCKUS -901-T301-WW51 has these benefits:

(1) High speed client performance with integrated adaptive antennas

Patented BeamFlex technology greatly improves connection reliability and increases WLAN capacity.

(2) Light, slim design for easy deployment

Compact, lightweight design with integrated antennas provide flexible deployment options with quick and easy installation.

(3) Highly Scalable

The ability to cost effectively scale high density networks.

(4) Predictive channel selection for increased capacity and reduced interference

ChannelFly automatically selects the best performing channel based on statistical, real-time capacity analysis of all RF channels.

(5) Standard 802.3af power

Easy installation using standard 802.3af PoE switches or PoE injectors.

(6) Unmatched Wi-Fi capacity and reliability

BeamFlex delivers up to 4 dB of added signal gain and up to 10dB of interference mitigation.

(7) Enhanced receive capabilities

Support for signal polarization diversity with maximal ratio combining (PD-MRC) ensures reliable connectivity for mobile devices.

Compare to Similar Items

Table 2 shows the comparison.

Product Name	901-T301-WW51	901-T301-WW61
Power	802.3af PoE Input (Class 3 PD)	802.3af PoE Input (Class 3 PD)
Mounting Options	Wall Mount Pole Mount Diameter 1" to 2.5"	Wall Mount Pole Mount Diameter 1" to 2.5"
Physical Size	18 cm (L) x 15 cm (W) x 8.6 cm (H)	18 cm (L) x 15 cm (W) x 8.6 cm (H)
WiFi Standards	5 GHz IEEE 802.11ac 2GHz IEEE 802.11g/n	5 GHz IEEE 802.11ac 2GHz IEEE 802.11g/n
Simultaneous VoIP Clients	Up to 30	Up to 30
Degree sector Coverage	30x120 degree	30x30 degree

Get More Information

Do you have any question about the 901-T301-WW51?

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Specification

901-T301-WW51 Specification

Physical Characteristics

Power	802.3af PoE Input (Class 3 PD)
Physical Size	18 cm (L) x 15 cm (W) x 8.6 cm (H) 7 in (L) x 5.9 in (W) x 3.4 in (H)
Ethernet Ports	10/100/1000Base-T 802.3,802.3 u,802.3ab 802.3at/af PoE PD Input Jumbo frame support (2290 byte max MTU)
RF Connections	N female qty 2 (optional 5GHz only)
Environmental Conditions	Operating temperature range: -20°C to 55° C Weather protection: IP67 per IEC 60529
Power Draw	PoE Input Idle: 6.5W Typical: 7.5W Peak: 11W
Degree sector Coverage	120x30 degree
Mounting Options	Wall Mount Pole Mount Diameter 1" to 2.5"

Performance and Capacity

Physical Layer Modulation Data Rate	2.4GHz 802.11b/g/n 300Mbps 5GHz 802.11a/n/ac 867Mbps
Concurrent Stations	Up to 500 capable per AP
Simultaneous VoIP Clients	Up to 30

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†
WLAN Radio Configuration	Dual band concurrent 2 x 2:2 stream radios
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 32 (27 configurable) on 2.4 GHz Up to 16 (13 configurable) on 5 GHz

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