

T300 Wireless Access Point Datasheet



Model	T300
Manufacturer	Ruckus Wireless, Inc.
802.11n Radio Standards	IEEE 802.11a/b/g/n/ac
Spatial streams	2x2: 2 stream; 1Channel 2.4GHz + 1 Channel 5GHz operation concurrent.
Frequency Bands	IEEE 802.11ac (80MHz BW)
	5150 – 5250 MHz
	5250 – 5350 MHz
	5470 – 5725 MHz
	5725 – 5850 MHz
	IEEE 802.11n (HT-20; HT-40; 20/40MHz BW)
	2400 – 2483.5MHz
	5150 – 5250 MHz
	5250 – 5350 MHz
	5470 – 5725 MHz
	5725 – 5850 MHz
	IEEE 802.11a (20MHz BW)
	5150 – 5250 MHz
	5250 – 5350 MHz
	5470 – 5725 MHz
	5725 – 5850 MHz
	IEEE 802.11b/g
	2400 – 2483.5MHz
	Note: Some 802.11ac channels cross 5725 band edge.
	Note: Country-specific restrictions apply to allowed frequency bands of operation
Supported radio technologies:	802.11b: Direct-sequence spread-spectrum (DSSS)
	802.11a/g/n: Orthogonal frequency division multiplexing (OFDM)
	802.11n/ac: 2x2 MIMO with two spatial streams
Supported modulation types:	802.11b: BPSK, QPSK, CCK
	802.11a/g/n/ac: BPSK, QPSK, 16-QAM, 64-QAM
Association rates (Mbps):	802.11b: 1, 2, 5.5, 11
	802.11a/g: 6, 9, 12, 18, 24, 36, 48, 54
	802.11n: MCS0 to MCS15 (6.5 Mbps to 300 Mbps)
	802.11ac: Up to 600Mbps
Channelization	20MHz, 40MHz, and 80MHz
TX Power (conducted)	2.4GHz < 30dBm
	5GHz < 26dBm
	Note: Output power limited by local regulatory requirements
Processor & Radio	Atheros
Antenna Type	Internal PCB
Antenna Gain	Vertical: 2GHz = 2.5dBi and 5G = 3.5dBi
	Horizontal: 2GHz = 1dBi and 5G = 2dBi

RF Connector	U.FL internal connectors
Co-Location Operation	2.4GHz and 5GHz Transmitter antenna's will be collocated with 20cm of each other.
LAN Interface	1 x 10/100/1000Base-T 802.3,802.3u,802.3ab Jumbo frame support (2000 byte max MTU)*
USB Port	No USB Port
DC Power Adaptor	None. PoE only
PoE Power Adaptor	PoE Injector Output: 48V DC Output; Input: 100-240Vac 50/60Hz (Part Number: 902-0162-xx10)
Mounting Options	Pole diameters 1" to 2.5"
	Wall Mounting when used with lag-bolts and Bracket
Grounding	Earthing connection provided at Chassis
Operating Temperature	-20 to 55C (65C Desired)
Operating Humidity	5% to 95% non-condensing
Enclosure Size	TBD
Enclosure Material	TBD
Weight	<5 lbs (2.3 kg)

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