



PRODUCT OVERVIEW:

The Touchstone 802.11ac Wi-Fi Router provides a high-performance Wi-Fi interface for the home and small office. Interoperable with all major Cable and DSL modem products, the TR3300-AC will transform any subscriber's home network into a multimedia highway – delivering Internet, gaming, and video streaming at lightning speed! With dual-band concurrent operation and multiple, simultaneous networks (including Guest networks), the homeowner or service provider can create a fully customized, Wi-Fi user experience. The TR3300-AC is also completely manageable by the Service Provider – offering both a local, protected User Interface and a full-service TR-069 implementation for remote configuration – to make the subscriber experience as simple and hands-off as possible. The TR3300-AC – it just works!



GENERAL SPECIFICATIONS

Physical

Operating Temperature °F (°C)	32 to 104 (0 to 40)
Operating Relative Humidity (Min-Max)	5-90% (non-condensing)
Storage Temperature °F (°C)	-4 to 158 (-20 to 70)
Dimensions (H x W x D) in. (cm)	8.2x1.7x5.6 (20.8x4.3x14.3)
Unit Weight in lbs (kg)	0.75 (0.4)
Diagnostic LEDs	Power, WAN, 2.4G, 5G, LAN1, LAN2, LAN3, LAN4, USB, WPS

Interfaces

Wide Area Network (WAN)	One 10/100/1000 Base-T Ethernet RJ-45, Yellow, Auto-Sensing, Auto-MDIX
Local Area Network (LAN)	Four 10/100/1000 Base-T Ethernet RJ-45, Black, Auto-Sensing, Auto-MDIX
Wi-Fi Network	Dual-band Concurrent, 802.11ac, 3x3:3 MIMO
USB Interface	One USB 2.0 Host, Series-B, 500mA, Blue
User Buttons	Wireless Protected Setup (WPS2.0) Reset (press reset or hold 10sec factory restore)
Input Voltage (nominal)	12VDC / 2A via External Power Adapter (included)

Wireless

Frequency Range	2.4 and 5GHz operating frequencies
2.4GHz Transmit Power (dBm)	[802.11b 1Mbps] 24 +/-2 [802.11b 11Mbps] 24 +/-2 <i>(Note: Where multiple transmission paths are implemented, the requirements apply to the combined radiated power of all antennae sources and where the power from each source is contributing equally to the effective total power output)</i> [802.11g 6Mbps] 24 +/-2 [802.11g 54Mbps] 21 +/-2 [802.11n HT20] 22 +/-2 (MCS0); 20 +/-2 (MCS7) [802.11n HT40] 19 +/-2 (MCS0); 19 +/-2 (MCS7)
5.0GHz Transmit Power (dBm)	[802.11a 6Mbps] 22 +/-2 [802.11a 54Mbps] 20 +/-2 <i>(Note: Where multiple transmission paths are implemented, the requirements apply to the combined radiated power of all antennae sources and where the power from each source is contributing equally to the effective total power output)</i> [802.11n HT20] 22 +/-2 (MCS0); 20 +/-2 (MCS7) [802.11n HT40] 22 +/-2 (MCS0); 20 +/-2 (MCS7) [802.11ac VHT20] 22 +/-2 (MCS0); 19 +/-2 (MCS8) [802.11ac VHT40] 22 +/-2 (MCS0); 18 +/-2 (MCS9) [802.11ac VHT80] 21 +/-2 (MCS0); 17 +/-2 (MCS9)
Spatial Streams	3
2.4GHz Receive Sensitivity (per radio chain in dBm)	[802.11b 1Mbps] > -94 [802.11b 11Mbps] > -86 [802.11g 6Mbps] > -90 [802.11g 54Mbps] > -73 [802.11n HT20] > -90 (MCS0); > -69 (MCS7) [802.11n HT40] > -88 (MCS0); > -67 (MCS7)
5.0GHz Receive Sensitivity (per radio chain in dBm)	[802.11a 6Mbps] > -90 [802.11a 54Mbps] > -72 [802.11n HT20] > -89 (MCS0); > -69 (MCS7) [802.11n HT40] > -86 (MCS0); > -67 (MCS7) [802.11ac VHT20] > -89 (MCS0); > -65 (MCS8) [802.11ac VHT40] > -86 (MCS0); > -60 (MCS9) [802.11ac VHT80] > -84 (MCS0); > -57 (MCS9)
Antennas	3 Transmit / Receive per band (all internal)
# of SSIDs Supported	4 Per Band (1 Public and 3 Private)
# of Guest SSIDs Supported	4 Per Band
Max Theoretical Wi-Fi Throughput	1750 Mbps
Wi-Fi Security Modes	WPA2, WPA/WPA2, WPA2-Enterprise

GENERAL SPECIFICATIONS

Processor

Processing Power	700 MHz MIPS Core	
Memory Capacity	256MB DRAM / 128MB Flash	
Router Capabilities		
IPv4 / IPv6	DHCPv4 / DHCPv6	Static IP Assignment
Bridge Mode	Remote Management	VLAN Traffic Separation
NAT	Port Forwarding	Port Triggering
Print Sharing	File Sharing	Media Sharing / DLNA
DNS / DDNS	Firewall	DMZ
802.1P/Q QoS	WMM / WMM-PS	

Standards

Wi-Fi Alliance – 802.11a/b/g/n/ac	EISA-2007	WPA / WPA2
FCC Part 15 Classes B, C, and E	RoHS / WEEE	IPv4 / IPv6
TR-069 / TR-098 / TR-181	USB 2.0	802.11h (DFS)
UL® 60950 / cUL / CSA	IEEE 802.3, 802.3ab	DLNA Class 2
Industry Canada ICES-003	WPS 2.0	

ORDERING INFORMATION

Part #	Description
783919	TR3300-AC, 802.11AC Router, 3x3:3, Dual-Band Concurrent, 5x GigE Ports (1 WAN / 4 LAN), 1x USB 2.0, 12Vdc / 2A Power Input (via included External AC/DC Power Adapter) Includes Quick Install Guide, and Ethernet cable.