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 Ethernets 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
    - [802.11g 6Mbps] 24 +/-2
    - [802.11g 54Mbps] 21 +/-2
    - [802.11n HT20] 22 +/-2 (MC50); 20 +/-2 (MC57)
    - [802.11n HT40] 19 +/-2 (MC50); 19 +/-2 (MC57)
  - 5.0GHz Transmit Power (dBm)
    - [802.11a 6Mbps] 22 +/-2
    - [802.11a 54Mbps] 20 +/-2
    - [802.11n HT20] 22 +/-2 (MC50); 20 +/-2 (MC57)
    - [802.11n HT40] 22 +/-2 (MC50); 19 +/-2 (MC58)
    - [802.11ac VHT20] 22 +/-2 (MC50); 18 +/-2 (MC59)
    - [802.11ac VHT80] 21 +/-2 (MC50); 17 +/-2 (MC59)
- **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 (MC50); > -69 (MC57)
  - [802.11n HT40] > -88 (MC50); > -67 (MC57)
- **5.0GHz Receive Sensitivity** (per radio chain in dBm)
  - [802.11a 6Mbps] > -90
  - [802.11a 54Mbps] > -72
  - [802.11n HT20] > -89 (MC50); > -69 (MC57)
  - [802.11n HT40] > -86 (MC50); > -67 (MC57)
  - [802.11ac VHT20] > -89 (MC50); > -65 (MC58)
  - [802.11ac VHT40] > -86 (MC50); > -60 (MC59)
  - [802.11ac VHT80] > -84 (MC50); > -57 (MC59)

### Antennas

- **3 Transmit / Receive per band (all internal)**

### # of SSIDs Supported

- 4 Per Band (1 Public and 3 Private)

### Standards

- Wi-Fi Alliance – 802.11a/b/g/n/ac
- EISA-2007
- 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
- Industry Canada ICES-003
- WPS 2.0

## ORDERING INFORMATION

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description</th>
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<tbody>
<tr>
<td>783919</td>
<td>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.</td>
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