



DataSheet

WIRELESS

- **Standards and Protocols: Wi-Fi 5**
 - IEEE 802.11ac/n/a 5 GHz
 - IEEE 802.11n/b/g 2.4 GHz
- **WiFi Speeds (AC1900):**
 - 5 GHz: 1300 Mbps (802.11ac)
 - 2.4 GHz: 600 Mbps (802.11n)
- **WiFi Range: Homes with 3 to 5 bedrooms (3-pack)**
 - TP-Link mesh technology
 - Optional Ethernet backhaul links Deco units for seamless coverage
- **Antennas: 3 × internal**
 - Multiple antennas enhance signal in more directions and larger areas
- **Beamforming: Focuses signal toward clients to extend WiFi range**
- **WiFi Capacity: Medium, Dual-band**
 - Distributes devices across bands for optimal performance
- **MU-MIMO: Communicates simultaneously with multiple clients**

- **Working Modes: Router mode, Access Point mode**
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SECURITY

- **Network Security: SPI firewall, Access control**
 - **Guest Network:**
 - **1 × 5 GHz guest network**
 - **1 × 2.4 GHz guest network**
 - **WiFi Encryption: WPA-Personal, WPA2-Personal**
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HARDWARE

- **Ethernet Ports: 3 Gigabit ports per Deco unit (auto WAN/LAN detection)**
 - **Buttons: Reset button**
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SOFTWARE

- **Protocols: IPv4, IPv6**
- **Parental Controls: URL filtering, Time control**
- **WAN Type: Dynamic IP, Static IP, PPPoE, PPTP, L2TP**
- **Quality of Service: Device-based QoS**

- **Cloud Service:** OTA firmware updates, TP-Link ID, DDNS
 - **NAT Forwarding:** Port forwarding, UPnP
 - **IPTV:** IGMP Proxy, IGMP Snooping, Bridge, VLAN tagging
 - **DHCP:** Reservation, Client list, Server
 - **DDNS:** TP-Link
 - **Management Features:** Deco App
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OTHER

- **Network Services Enabled by Default:**
 - **Web Server:** Manage and configure device through web (HTTP/HTTPS) • Port: 80/443 • Protocol: TCP
 - **DNS:** Port 53 • Protocol: TCP & UDP
 - **DHCP Server:** IP address assignment • Port 67 • Protocol: UDP
 - **App Management:** Ports 22, 20001, 30001 (TCP), Port 20002 (UDP)
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TEST DATA

- **WiFi Transmission Power:**
 - **CE:** <20 dBm (2.4 GHz), <23 dBm (5 GHz)

- **FCC: <30 dBm (2.4 GHz), <30 dBm (5 GHz)**
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PHYSICAL

- **Dimensions (W×D×H): 6.4 × 3.6 × 3.6 in (162.3 × 90.7 × 90.7 mm)**
 - **Package Content:**
 - **Deco S7 (3-pack): 3 Deco S7 units, 1 Ethernet cable, 3 power adapters, Quick installation guide**
 - **Deco S7 (2-pack): 2 Deco S7 units, 1 Ethernet cable, 2 power adapters, Quick installation guide**
 - **Deco S7 (1-pack): 1 Deco S7 unit, 1 Ethernet cable, 1 power adapter, Quick installation guide**
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OTHERS

- **Certification: CE, FCC, RoHS, NCC, BSMI, JRF, JPA, VCCI**
- **System Requirements: Android 5.0 or later, iOS 9.0 or later**
- **Environment:**
 - **Operating Temperature: 0 °C ~ 40 °C (32 °F ~ 104 °F)**
 - **Storage Temperature: -40 °C ~ 60 °C (-40 °F ~ 140 °F)**
 - **Operating Humidity: 10% ~ 90% non-condensing**
 - **Storage Humidity: 5% ~ 90% non-condensing**