

Code: ARCHER-AX55

## ROUTER **ARCHER-AX55** Wi-Fi 6 2.4 GHz, 5 GHz 2402 Mbps + 574 Mbps TP-LINK

With 2402 Mbps wireless speeds over the crystal clear 5 GHz band and 574 Mbps over the 2.4 GHz band, ARCHER-AX55 offers you the flexibility of 2 dedicated networks and ensures amazing wireless performance. Simple tasks such as sending e-mails or web browsing can be handled by the 2.4 GHz band while bandwidth intensive tasks like online gaming or HD video streaming can be processed by the 5 GHz band - all at the same time.

The MU-MIMO technology allows to optimize data transfer by using multiple transmitters in parallel to connect to several clients simultaneously, taking into account the use of radio wave forming technology (Beamforming - TxBF). Thanks to the advanced OneMesh technology, devices are automatically switched when moving around the house.

Main applications include Internet accesses in small and medium size businesses, SOHO, and homes. 4 external antennas provide stable omnidirectional signal and superior wireless coverage.

Supports 802.11ax standard - the next generation of Wi-Fi.



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|------------------|---------------------------------------------------------------|
| Frequency range: | 2.4 GHz, 5 GHz                                                |
| Antenna type:    | 4 x Omnidirectional antenna                                   |
| Standards:       | IEEE 802.11ax/n/b/g @ 2.4 GHz<br>IEEE 802.11ax/ac/n/a @ 5 GHz |
| Baud rates:      | 2402 Mbps + 574 Mbps                                          |
| LAN ports:       | 1 x 10/100/1000 Mbps - Uplink<br>4 x 10/100/1000 Mbps - LAN   |
| LED indicators:  | Power, 2.4 GHz WLAN, 5 GHz WLAN, INTERNET, LAN, USB           |



# DATA SHEET

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| Receiver sensitivity: | <p>2.4 GHz :</p> <ul style="list-style-type: none"><li>• 11ac VHT20 MCS0 : -96 dBm</li><li>• 11ac VHT20 MCS8 : -74 dBm</li><li>• 11ac VHT40 MCS0 : -94 dBm</li><li>• 11ac VHT40 MCS9 : -70 dBm</li><li>• 11ax HE20 MCS0 : -96 dBm</li><li>• 11ax HE20 MCS11 : -66 dBm</li><li>• 11ax HE40 MCS0 : -93 dBm</li><li>• 11ax HE40 MCS11 : -63 dBm</li></ul> <p>5 GHz :</p> <ul style="list-style-type: none"><li>• 11ac VHT20 MCS0 : -96 dBm</li><li>• 11ac VHT20 MCS8 : -75 dBm</li><li>• 11ac VHT40 MCS0 : -94 dBm</li><li>• 11ac VHT40 MCS9 : -70 dBm</li><li>• 11ac VHT80 MCS0 : -91 dBm</li><li>• 11ac VHT80 MCS9 : -67 dBm</li><li>• 11ac VHT160 MCS0 : -88 dBm</li><li>• 11ac VHT160 MCS9 : -63 dBm</li><li>• 11ax HE20 MCS0 : -96 dBm</li><li>• 11ax HE20 MCS11 : -66 dBm</li><li>• 11ax HE40 MCS0 : -93 dBm</li><li>• 11ax HE40 MCS11 : -63 dBm</li><li>• 11ax HE80 MCS0 : -91 dBm</li><li>• 11ax HE80 MCS11 : -61 dBm</li><li>• 11ax HE160 MCS0 : -87 dBm</li><li>• 11ax HE160 MCS11 : -58 dBm</li></ul> |
| DDNS:                 | <ul style="list-style-type: none"><li>• No-IP</li><li>• DynDNS</li><li>• TP-LINK</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| DHCP server:          | ✓                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Firmware update:      | ✓                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Protections:          | WPA/WPA2-Personal, WPA2/WPA3-Personal, WPA/WPA2-Enterprise<br>DoS attacks protection, SPI network firewall, domain filtering, IP and MAC filtering,<br>IP and MAC binding                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Management interface: | Web browser, TP-LINK Tether                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Transmitter power:    | < 30 dBm @ 2.4 GHz<br>< 30 dBm @ 5 GHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Power supply:         | 12 V DC / 1.5 A (power adapter included)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

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| Main features:                 | <ul style="list-style-type: none"> <li>• Internet access filtering</li> <li>• Static / dynamic routing</li> <li>• Beamforming (TxBF) - technology that allows to create a beam of radio waves in order to improve the quality of connection with client devices located further away from the signal source</li> <li>• VPN Server: OpenVPN, PPTP VPN</li> <li>• Support for TP-Link OneMesh™ technology</li> <li>• Wi-Fi 6 support - a standard that offers higher speeds, better performance in high-traffic environments</li> <li>• Firewall</li> <li>• HomeShield™ Web protection - detection of dangerous sites, protection against attacks, quarantine of attacked devices, notifications and logs</li> <li>• Built-in 4-port switch</li> <li>• Wireless transmission statistics</li> <li>• The WPS function allows to easy establish an encrypted connection</li> <li>• QoS</li> <li>• WMM (Wi-Fi Multimedia)</li> <li>• Rate limit</li> <li>• Access control</li> <li>• Remote management</li> <li>• DMZ</li> <li>• parental control</li> <li>• Guest Network - a separate and secure network for guests</li> <li>• Compatible with Amazon Alexa</li> </ul> |
| Operation temp:                | 0 °C ... 40 °C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Permissible relative humidity: | 10 % ... 90 % (non-condensing)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Weight:                        | 0.49 kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Dimensions:                    | 261 x 135 x 41 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Manufacturer / Brand:          | TP-LINK                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Guarantee:                     | <b>3 years</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |