

Code: TL-RE305

## UNIVERSAL WI-FI RANGE EXTENDER **TL-RE305** 2.4 GHz, 5 GHz TP-LINK

The TL-RE305 device greatly extends existing wireless coverage in difficult-to-wire and "dead zones" places.

Thanks to the advanced OneMesh technology, devices are automatically switched when moving around the house. In addition, the device can also work as a wireless access point, increasing the functionality of the existing wired network by Wi-Fi connection.



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| Frequency range:      | 2.4 GHz, 5 GHz                                                                                                                                                                                                                                                                                                                                     |
| Antenna type:         | 2 x Omnidirectional antenna - Outdoor                                                                                                                                                                                                                                                                                                              |
| Standards:            | IEEE 802.11 a/b/g/n/ac                                                                                                                                                                                                                                                                                                                             |
| Baud rates:           | <ul style="list-style-type: none"> <li>• 300 Mbps @ 2.4 GHz</li> <li>• 867 Mbps @ 5 GHz</li> </ul>                                                                                                                                                                                                                                                 |
| Receiver sensitivity: | 2.4 GHz :<br>• 54 Mbps 11g : -79 dBm @ 10% PER<br>• HT20 mcs7 11n : -77 dBm @ 10% PER<br>• HT40 mcs7 11n : -74 dBm @ 10% PER<br>5 GHz :<br>• 6 Mbps 11a : -91 dBm @ 10% PER<br>• 54 Mbps 11a : -74 dBm @ 10% PER<br>• HT20 mcs8 11ac : -68 dBm @ 10% PER<br>• HT40 mcs9 Mbps 11ac : -63 dBm @ 10% PER<br>• HT80 mcs9 Mbps 11ac : -59 dBm @ 10% PER |
| LED indicators:       | 5 GHz, 2.4 GHz, Power, Wi-Fi - Signal indicator                                                                                                                                                                                                                                                                                                    |
| QSS:                  | —                                                                                                                                                                                                                                                                                                                                                  |
| Operation modes:      | <ul style="list-style-type: none"> <li>• Range Extender - signal amplifier</li> <li>• Access Point - Access Point mode</li> </ul>                                                                                                                                                                                                                  |



# DATA SHEET

|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
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| Protections:                   | 64/128-bit WEP, WPA/WPA-PSK2                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| LAN ports:                     | 1 x (RJ45) 10/100 Mb - Ethernet                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Management interface:          | Web browser, Tether application                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Transmitter power:             | < 17 dBm @ 2.4 GHz<br>< 17 dBm @ 5 GHz                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Main features:                 | <ul style="list-style-type: none"><li>• Support for TP-Link OneMesh™ technology</li><li>• 2.4 GHz (300Mb/s) and 5 GHz (867Mb/s) bands support</li><li>• Intelligent LED indicator helps you find the best location for the device, which can achieve optimal network coverage</li><li>• Wireless transmission statistics</li><li>• Access control</li><li>• Domain Login Function</li><li>• Access Point - Built-in</li><li>• WPS button</li><li>• RESET button</li></ul> |
| Power supply PoE:              | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Power supply:                  | 230 V AC                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Power consumption:             | ≤ 7.3 W                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Operation temp:                | 0 °C ... 30 °C                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Permissible relative humidity: | 10 % ... 90 %                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Weight:                        | 0.15 kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Dimensions:                    | 80 x 78 x 77 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Manufacturer / Brand:          | TP-LINK                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Guarantee:                     | <b>3 years</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                            |