

Code: RG-EST100-E

## WIRELESS WI-FI BRIDGE **RG-EST100-E** 2.4 GHz REYEE

Net: **71.09 EUR** Gross: **71.09 EUR**

The RG-EST100-E wireless bridge allows you to create a stable Wi-Fi connection between two points located at a distance of max. 500 m from each other. The device can be used, for example, in CCTV networks to install IP cameras in places where it is difficult to connect an Ethernet cable (e.g. elevators, construction sites, factory halls, warehouses).

Thanks to the antenna with 8 dBi gain, high output power of the transmitter equal 20 dBm and high sensitivity of the receiver, the device allows to create long-range, stable and efficient wireless connections. Device allows to secure data transmission using the encryption protocols: WPA-PSK/WPA2-PSK/WPA-WPA2-PSK.



### SPECIFICATION

|                              |                                                                                                                       |
|------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Frequency range:             | 2.4 GHz ... 2.483 GHz                                                                                                 |
| Antenna type:                | 2x2 MU-MIMO                                                                                                           |
| Gain :                       | 8 dBi                                                                                                                 |
| Polarization:                | vertical/horizontal                                                                                                   |
| Standards:                   | IEEE 802.11b, IEEE 802.11g, IEEE 802.11n                                                                              |
| Baud rates:                  | max. 300 Mbps                                                                                                         |
| Wireless transmission range: | max. 500 m                                                                                                            |
| Operation modes:             | Bridge (Point-to-Point)                                                                                               |
| Protections:                 | WPA-PSK, WPA2-PSK, WPA/WPA2-PSK                                                                                       |
| LAN ports:                   | <ul style="list-style-type: none"><li>• 1 x 10/100Mb LAN 1 + Passive PoE</li><li>• 1 x 10/100Mb LAN 2</li></ul>       |
| Management interface:        | Web browser, Ruijie Cloud Central Management System<br>Configuration using the Ruijie Reyee application               |
| Mobile phones support:       | Android: Free application <a href="#">Ruijie Reyee</a><br>iOS (iPhone): Free application <a href="#">Ruijie Reyee</a> |
| Transmitter power:           | max. 20 dBm                                                                                                           |
| Horizontal beam width (H):   | 70 °                                                                                                                  |
| Vertical beam width (V):     | 70 °                                                                                                                  |
| Housing:                     | Outdoor, plastic (Weatherproof) - IP55                                                                                |

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|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Overvoltage protection:        | 6 kV lightning                                                                                                                                                                                                                                                                                                                                                                                                        |
| Power supply PoE:              | Passive PoE - 12 V DC                                                                                                                                                                                                                                                                                                                                                                                                 |
| Power supply:                  | <ul style="list-style-type: none"> <li>• 12 V DC / 0.5 A,</li> <li>• 12 V DC / 0.5 A Passive PoE</li> </ul>                                                                                                                                                                                                                                                                                                           |
| Power consumption:             | 5 W                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Operation temp:                | -30 °C ... 60 °C                                                                                                                                                                                                                                                                                                                                                                                                      |
| Permissible relative humidity: | 10 % ... 90 %                                                                                                                                                                                                                                                                                                                                                                                                         |
| Memory:                        | 64MB DDR2, 8MB Flash                                                                                                                                                                                                                                                                                                                                                                                                  |
| Main features:                 | <ul style="list-style-type: none"> <li>• MIMO technology - increases the throughput of wireless link (multiple antennas transmission)</li> <li>• Adjustable transmission power</li> <li>• Transmission range even up to 500 m</li> <li>• Ruijie Cloud Central Management System</li> <li>• Wireless signal quality indicators</li> <li>• WDS</li> <li>• SSID hiding</li> <li>• SSH</li> <li>• RESET button</li> </ul> |
| Weight:                        | 0.14 kg                                                                                                                                                                                                                                                                                                                                                                                                               |
| Dimensions:                    | 166 x 69 x 42 mm                                                                                                                                                                                                                                                                                                                                                                                                      |
| Manufacturer / Brand:          | RUIJIE / REYEE                                                                                                                                                                                                                                                                                                                                                                                                        |
| Guarantee:                     | 2 years                                                                                                                                                                                                                                                                                                                                                                                                               |

## PRESENTATION

Front panel:



Mounting side view:



Connectors:



In the kit:



## PACKAGE

|                                  |                    |
|----------------------------------|--------------------|
| Dimensions (L x W x H): 0x0x0 mm | Gross Weight: 0 kg |
|----------------------------------|--------------------|