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|-----------------------------|--|---|---|---|---|--|
|                             | <a href="#">WIRELESS PIR DETECTOR WITH LIGHT INTENSITY MEASUREMENT ATLO-AC-HW44-TUYA Wi-Fi, Tuya Smart</a>   | <a href="#">ROUTER RUT301 Teltonika</a>   | <a href="#">ACCESS POINT 4G LTE +ROUTER CUDY-LT400-OUTDOOR 2.4 GHz 300 Mbps</a>   | <a href="#">ACCESS POINT TL-EAP225-OUTDOOR 2.4 GHz, 5 GHz 300 Mbps + 867 Mbps TP-LINK</a>   | <a href="#">ACCESS POINT TL-CP605 TP-LINK</a>   | <a href="#">BASE STATION ROCKET-M2 UBIQUITI</a>  |
|                             |   |  |    |    |    |   |
|                             | 49.83 PLN<br>49.83 PLN   | 253.70 PLN<br>253.70 PLN  | 269.27 PLN<br>269.27 PLN  | 430.39 PLN<br>430.39 PLN  | 211.69 PLN<br>211.69 PLN  | 455.11 PLN<br>455.11 PLN   |
| Operation way               | <ul style="list-style-type: none"> <li>Ceiling Motion Sensor</li> <li>Light intensity measurement</li> </ul>   | ...   | ...   | ...   | ...   | ...  |
| WAN interface               | ...  | 1 x 10 / 100 Mbps   | ...   | ...   | ...   | ...  |
| Gain                        | ...  | ...   | ...   | ...   | 23 dBi  | ...  |
| Polarization                | ...  | ...   | ...   | ...   | vertical/horizontal   | ...  |
| Horizontal beam width (H)   | ...  | ...   | ...   | ...   | 7 °   | ...  |
| Vertical beam width (V)     | ...  | ...   | ...   | ...   | 10 °  | ...  |
| Light intensity measurement | 0 ... 100001 Lux   | ...   | ...   | ...   | ...   | ...  |
| Port USB                    | ...  | USB 2.0   | ...   | ...   | ...   | ...  |
| Detection range             | 6 m - Motion detector  | ...   | ...   | ...   | ...   | ...  |
| Detection angle             | 360 °  | ...   | ...   | ...   | ...   | ...  |
| Antenna connector           | ...  | ...   | ...   | ...   | ...   | 2 x RP-SMA   |
| Alarm signaling             | Signal to the Tuya Smart mobile application  | ...   | ...   | ...   | ...   | ...  |
| Antenna type                | ...  | ...   | <ul style="list-style-type: none"> <li>2 x Omnidirectional antenna Wi-Fi, Integrated,</li> <li>2 x Omnidirectional antenna 4G LTE, Outdoor - SMA type connectors</li> </ul> | <ul style="list-style-type: none"> <li>2.4 GHz : 2 x 3 dBi Outdoor, Omnidirectional antenna 2x2 MIMO,</li> <li>5 GHz : 2 x 4 dBi Outdoor, Omnidirectional antenna 2x2 MIMO</li> </ul> | ...   | ...  |
| Frequency range             | 2.4 GHz WiFi - IEEE 802.11 b/g/n   | ...   | 2.4 GHz   | 2.4 GHz, 5 GHz  | 5150 MHz ... 5850 MHz   | 2402 MHz ... 2462 MHz  |
| Radio communication range   | The range limited only by the availability of the Wi-Fi network  | ...   | ...   | ...   | ...   | ...  |
| Battery                     | 2 x 1.5V, type AAA/LR03 battery (included)   | ...   | ...   | ...   | ...   | ...  |
| Standards                   | ...  | ...   | <ul style="list-style-type: none"> <li>IEEE 802.11 b/g/n</li> <li>4G LTE</li> </ul>   | IEEE 802.11a, IEEE 802.11b, IEEE 802.11g, IEEE 802.11n, IEEE 802.11ac   | IEEE 802.11 a/n   | <ul style="list-style-type: none"> <li>IEEE 802.11b,</li> <li>IEEE 802.11g</li> </ul>  |
| Receiver sensitivity        | ...  | ...   | ...   | ...   | ...   | <ul style="list-style-type: none"> <li>-97 dBm @ 1 ... 24 Mbps</li> <li>-80 dBm @ 36 Mbps</li> <li>-77 dBm @ 48 Mbps</li> <li>-75 dBm @ 54 Mbps</li> </ul> |
| Default IP address          | ...  | 192.168.1.1   | ...   | ...   | ...   | ...  |
| Current consumption         | ≤ 55 µA - Standby<br>≤ 135 mA - Alarm signaling  | ...   | ...   | ...   | ...   | ...  |
| Operating system            | ...  | RutOS (Linux OS based)  | ...   | ...   | ...   | AirOS, AirMAX  |
| Mobile phones support       | It is possible to operate via the Wi-Fi network from the mobile application on the iOS, Android systems : <ul style="list-style-type: none"> <li>The <a href="#">Tuya Smart</a> free application on Android</li> <li>The <a href="#">Tuya Smart</a> free application on iOS</li> </ul> | ...   | ...   | ...   | ...   | ...  |
| Baud rates                  | ...  | ...   | <ul style="list-style-type: none"> <li>Wi-Fi : 300 Mbps,</li> <li>LTE : 150 Mbps / 50 Mbps</li> </ul>   | 2.4 GHz : max. 300 Mbps (dynamic) + 5 GHz : max. 867 Mbps (dynamic)   | <ul style="list-style-type: none"> <li>max. 150 Mbps @ 40 MHz (dynamic)</li> <li>max. 72.2 Mbps @ 20 MHz (dynamic)</li> <li>max. 36.1 Mbps @ 10 MHz (dynamic)</li> <li>max. 18.05 Mbps @ 5 MHz (dynamic)</li> </ul> | ...  |
| Operation modes             | ...  | ...   | ...   | ...   | WISP, Access Point, Access Point WDS, Client, WDS client, Router or Bridge, Repeater  | Station, Access Point  |
| Color                       | White  | ...   | ...   | ...   | ...   | ...  |
| Memory                      | ...  | ...   | ...   | ...   | 64MB DDR2, 8MB Flash  | 128 MB SDRAM, 8 MB FLASH   |
| Processor                   | ...  | ...   | ...   | ...   | Qualcomm 560MHz, MIPS 74Kc  | MIPS 74Kc  |

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|                               |                         |   |  |  |  |   |
|-------------------------------|-------------------------|---|--|--|--|---|
| Network type                  | ...                     | ...   | <ul style="list-style-type: none"> <li>• 4G : LTE-FDD: B1/3/5/7/8/20/28 - 2100 / 1800 / 850 / 2600 / 900 / 800 / 700 MHz</li> <li>• 4G : LTE-TDD: B38/40/41 - 2600 / 2300 / 2500 MHz</li> <li>• 3G : WCDMA: B1/5/8 - 2100 / 850 / 900 MHz</li> </ul> | ...  | ...  | ...   |
| LTE                           | ...                     | ...   | ✓  | ...  | ...  | ...   |
| QSS                           | ...                     | ...   | —  | ...  | ...  | ...   |
| WDS                           | ...                     | ...   | —  | ...  | ...  | ...   |
| DDNS                          | ...                     | Support > 25  | ✓  | ...  | ...  | ...   |
| DHCP server                   | ...                     | ✓   | ✓  | ...  | ...  | ...   |
| LED indicators                | ...                     | Power, WAN, LAN   | Power, INTERNET, Ethernet, 2.4 GHz, LTE  | ...  | ...  | ...   |
| SIM socket                    | ...                     | ...   | 1 x nano SIM   | ...  | ...  | ...   |
| Certificates                  | ...                     | CE, UKCA, FCC, WEEE   | ...  | ...  | ...  | ...   |
| Firmware update               | ...                     | ✓   | ✓  | ...  | ...  | ...   |
| Protections                   | ...                     | <ul style="list-style-type: none"> <li>• IEEE 802.1x and Radius Authentication</li> <li>• MAC addresses filtering</li> <li>• Firewall</li> <li>• Support DDOS, SYN, SSH, HTTP/HTTPS defence</li> <li>• White list / Black list</li> </ul> | WPA-PSK, WPA2-PSK, WPA-PSK/WPA2-PSK  | WEP, WPA/WPA2-Personal, WPA/WPA2-Enterprise  | WPA/WPA2, WPA-PSK/WPA2-PSK ( TKIP/AES )  | ...   |
| LAN ports                     | ...                     | 4 x 10 / 100 Mbps   | 1 x 10/100 Mbps - LAN / WAN / PoE IN   | 1 x 10/100/1000 Mbps   | 1 x 10/100 Mbps LAN + PoE, Shielded  | 1 x 10/100 Mbps   |
| Support                       | Tuya Smart              | ...   | ...  | ...  | ...  | with antenna : <ul style="list-style-type: none"> <li>• Rocket Dish 2G24</li> <li>• AirMax Sector AM-V2G-Ti</li> <li>• AirMax Sector AM-2G15-120</li> <li>• AirMax Sector AM-2G16-90</li> <li>• AirMax Omni AMO-2G10</li> <li>• AirMax Omni AMO-2G13</li> </ul> |
| Management interface          | ...                     | Web browser, Teltonika RMS application  | Web browser  | Web browser, Omada application   | Web browser, PharOS Control application  | ...   |
| Transmitter power             | ...                     | ...   | < 20 dBm   | < 20 dBm @ 2.4 GHz<br>< 26 dBm @ 5 GHz   | max. 23 dBm  | <ul style="list-style-type: none"> <li>• 28 dBm @ 1 ... 24 Mbps</li> <li>• 26 dBm @ 36 Mbps</li> <li>• 25 dBm @ 48 Mbps</li> <li>• 24 dBm @ 54 Mbps</li> </ul>  |
| Housing                       | ...                     | ...   | ...  | Outdoor, plastic (Weatherproof)  | <ul style="list-style-type: none"> <li>• Plastic (PC)</li> <li>• Weatherproof cabinet - IP65</li> </ul>              | ...   |
| Overvoltage protection        | ...                     | ...   | ...  | <ul style="list-style-type: none"> <li>• 15 kV ESD</li> <li>• 4 kV lightning</li> </ul>                                | <ul style="list-style-type: none"> <li>• 15 kV ESD</li> <li>• 6 kV lightning</li> </ul>                              | ...   |
| Power supply PoE              | ...                     | ...   | ...  | ✓  | ✓ (up to 60 m via UTP cable)   | ✓   |
| Power consumption             | ...                     | ≤ 3.8 W   | ...  | 10.5 W   | 6 W  | max. 8 W  |
| Permissible relative humidity | ≤ 95 % (non-condensing) | 10 % ... 90 % (non-condensing)  | ...  | 10 % ... 90 %  | 10 % ... 90 %  | 5 % ... 95 %  |
| Power supply                  | ...                     | <ul style="list-style-type: none"> <li>• 9 ... 30 V DC</li> <li>• 9 V DC / 1 A (power adapter included)</li> </ul>  | Passive PoE : 24 V DC / 0.5 A (power adapter included)   | <ul style="list-style-type: none"> <li>• PoE (802.3af)</li> <li>• 24 V Passive PoE - PoE Adapter (included)</li> </ul> | <ul style="list-style-type: none"> <li>• Passive PoE</li> <li>• 16 V ... 27 V DC (power adapter included)</li> </ul> | 24 V / 1 A (power adapter included)   |
| Operation temp                | -10 °C ... 50 °C        | -40 °C ... 75 °C  | -20 °C ... 60 °C   | -30 °C ... 70 °C   | -40 °C ... 70 °C   | -30 °C ... 75 °C  |

|                       |                                      |   |  |   |  |   |
|-----------------------|--------------------------------------|---|--|---|--|---|
| Main features         | Low battery level alarm $\leq$ 2.4 V | <ul style="list-style-type: none"> <li>Compliance with the Modbus, DLMS, DNP3, OPC UA protocol</li> <li>MDI/MDI-X auto detection feature - auto detecting the data transmission mode</li> <li>Static / dynamic routing</li> <li>Support for VoIP technology,</li> <li>View topology and network status</li> <li>WMM support (QoS mechanism of the 802.11e standard)</li> <li>DHCP Relay support</li> <li>Load balance</li> <li>VLAN support</li> <li>VPN networks: IPsec VPN, L2TP VPN, PPTP VPN, Open VPN</li> <li>Compliance with the MQTT protocol</li> <li>SNMP v1/v2/v3/Trap</li> <li>Support for IoT (Internet of Things) systems,</li> <li>Configuration using the Teltonika RMS application</li> <li>Communication interface - Port USB 2.0 - possibility to connect external HDD, flash drive, additional modem, printer, USB-serial adapter</li> <li>2 digital inputs / outputs - ability to set certain I/O conditions to initiate event,</li> <li>RESET button</li> <li>Durable aluminum housing</li> <li>Shock-proof</li> <li>Industrial wide temperature design.</li> <li>4-pin industrial power socket,</li> <li>Wide range of supported supply voltages</li> <li>"Index of Protection" : IP30</li> <li>Ethernet cable included</li> </ul> | <ul style="list-style-type: none"> <li>Nano SIM socket</li> <li>RESET button</li> <li>VPN networks: OpenVPN, WireGuard, IPsec, PPTP, L2TP, Zerotier VPN</li> <li>DNS</li> <li>Dynamic DNS</li> <li>SMS personal messaging</li> <li>WMM (Wi-Fi Multimedia)</li> <li>Static / dynamic routing</li> <li>DHCP client/server support, address reservation</li> <li>NAT network firewall, Port forwarding, UPnP, DMZ</li> <li>Access control</li> <li>Remote management</li> <li>IPv6 compliance</li> <li>4G bands lock</li> </ul> | <ul style="list-style-type: none"> <li>Omada Central Management System</li> <li>Software Omada Controller</li> <li>220 on-line users</li> <li>Multi-SSID ( max. 16 )</li> <li>Enable/Disable Wireless Radio</li> <li>QoS - mechanisms, which provide the high quality of transmission</li> <li>WMM (Wi-Fi Multimedia)</li> <li>Transmit power control</li> <li>TP-Link Mesh technology: MU-MIMO, Automatic route selection, AP control, Bandwidth control, Beamforming</li> <li>Airtime Fairness - technology that improves network performance when multiple clients with different data rates appear in it</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>Load balance</li> <li>Rate limit</li> <li>Wireless Network Schedule</li> <li>Wireless transmission statistics</li> <li>Authentication using the welcome page</li> <li>Access control</li> <li>MAC addresses filtering</li> <li>Wireless isolation between clients</li> <li>SSID to VLAN mapping</li> <li>Rogue Access Point detection</li> <li>802.1x Radius</li> <li>e-mail personal messaging</li> <li>Remote management</li> <li>RESET button</li> <li>LED indication</li> <li>Power supply PoE</li> <li>Easy to install on any wall or pole (mounting kit included)</li> </ul> | <ul style="list-style-type: none"> <li>TP-LINK Pharos MAXtream TDMA Technology</li> <li>Adjustable transmission power</li> <li>Transmission range even up to 20 km</li> <li>PharOS Control Central Management System</li> <li>Wireless signal quality indicators</li> <li>Bandwidth : 5, 10, 20, 40 MHz</li> <li>Support for tools Antenna Alignment, Distance Setting, Ping Watch Dog and Wireless Speed Test</li> <li>Multi-SSID</li> <li>WDS</li> <li>MAC addresses filtering</li> <li>SSID hiding</li> <li>DDNS</li> <li>SSH</li> <li>Watchdog built-in</li> <li>RESET button</li> </ul> | <ul style="list-style-type: none"> <li>Available services: Web Server, SNMP, SSH Server, Telnet, Ping, Watchdog, DHCP, NAT, Bridging, Routing</li> <li>Antenna Alignment Tool</li> <li>Distance Adjustment</li> <li>Gain adjustment</li> <li>WPA2 AES</li> <li>Statistical Reporting</li> <li>Traffic Shaping</li> <li>WMM support (QoS mechanism of the 802.11e standard)</li> </ul> |
| "Index of Protection" | ...                                  | ...   | IP65   | IP65  | ...  | ...   |
| Weight                | 0.04 kg                              | 0.23 kg   | 0.37 kg  | 0.168 kg  | 0.95 kg  | 0.240 kg  |
| Dimensions            | Ø 61 x 34 mm                         | 100 x 90 x 30 mm  | 240 x 100 x 54 mm  | 215 x 46 x 27 mm (without antennas & mounting kit)<br>404 x 91 x 55 mm (with antennas & mounting kit)   | 350 x 255 x 207 mm   | 172 x 84 x 36 mm  |
| Manufacturer / Brand  | ...                                  | Teltonika   | CUDY   | TP-LINK   | TP-LINK  | UBIQUITTI   |
| Guarantee             | 2 years                              | 2 years   | 2 years  | 5 years   | 3 years  | 2 years   |