hAP ac²

The hAP ac² is a Dual-concurrent Access Point, that provides Wifi coverage for 2.4 GHz and 5 GHz frequencies at the same time. Five 10/100/1000 Ethernet ports provide Gigabit connections for your wired devices, and USB can be used for external storage or 4G/LTE modem. Also IPsec Hardware encryption and dude server package are supported.

New design universal case allows unit to be positioned either horizontally (desktop) or vertically (tower case). Wall anchored mounting kit is provided.

- Dual chain wireless 2.4 GHz
- Dual chain wireless 5 GHz
- 4 core 716 MHz CPU
- 128 MB of RAM
- Five x 10/100/1000 Mbps Ethernet ports
- USB port for 3G/4G modem
- IPsec Hardware encryption

The hAP ac² can be powered from the power jack or with passive PoE from a PoE injector. The power adapter is included.

The hAP ac² is preconfigured, so all you need to do, is plug in the Internet cable, the power, and start using the internet by connecting to the MikroTik network.
## Specifications

<table>
<thead>
<tr>
<th>Product code</th>
<th>RBD52G-5HacD2HnD-TC (International) RBD52G-5HacD2HnD-TC-US (USA)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CPU</strong></td>
<td>IPQ-4018 716 MHz</td>
</tr>
<tr>
<td><strong>CPU core count</strong></td>
<td>4</td>
</tr>
<tr>
<td><strong>Size of RAM</strong></td>
<td>128 MB</td>
</tr>
<tr>
<td><strong>Storage type</strong></td>
<td>Flash</td>
</tr>
<tr>
<td><strong>Storage size</strong></td>
<td>16 MB</td>
</tr>
<tr>
<td><strong>10/100/1000 Ethernet ports</strong></td>
<td>5</td>
</tr>
<tr>
<td><strong>Wireless bands</strong></td>
<td>5 GHz radio, 2.4 GHz radio</td>
</tr>
<tr>
<td><strong>Wireless regulations</strong></td>
<td>Specific frequency range may be limited by country regulations</td>
</tr>
<tr>
<td><strong>Operating frequency</strong></td>
<td>International 5150 - 5875 MHz USA 5170 - 5250 MHz 5725 - 5835 MHz USA 2412 - 2484 MHz 2412 - 2462 MHz</td>
</tr>
<tr>
<td><strong>Protocols</strong></td>
<td>802.11a/n/ac, 802.11b/g/n</td>
</tr>
<tr>
<td><strong>Chains</strong></td>
<td>Dual-chain, Dual-chain</td>
</tr>
<tr>
<td><strong>Antenna gain</strong></td>
<td>2.5 dBi, 2.5 dBi</td>
</tr>
<tr>
<td><strong>Wireless chip model</strong></td>
<td>IPQ-4018, IPQ-4018</td>
</tr>
<tr>
<td><strong>Antenna beam width</strong></td>
<td>360°</td>
</tr>
<tr>
<td><strong>PoE in</strong></td>
<td>Yes (18 - 28 V)</td>
</tr>
<tr>
<td><strong>Supported input voltage</strong></td>
<td>12 V - 30 V (Jack or Passive PoE)</td>
</tr>
<tr>
<td><strong>Operating temperature</strong></td>
<td>-40°C .. +50°C</td>
</tr>
<tr>
<td><strong>Extras</strong></td>
<td>USB 2.0 Type A full size port, 1 A</td>
</tr>
<tr>
<td><strong>Dimensions</strong></td>
<td>34 x 119 x 98 mm</td>
</tr>
<tr>
<td><strong>License level</strong></td>
<td>4</td>
</tr>
<tr>
<td><strong>Operating System</strong></td>
<td>RouterOS</td>
</tr>
<tr>
<td><strong>Max Power consumption</strong></td>
<td>15 W</td>
</tr>
</tbody>
</table>

### Wireless specifications

<table>
<thead>
<tr>
<th>RATE (2.4 GHz)</th>
<th>Tx (dBm)</th>
<th>Rx (dBm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1MBit/s</td>
<td>27</td>
<td>-100</td>
</tr>
<tr>
<td>11MBit/s</td>
<td>27</td>
<td>-94</td>
</tr>
<tr>
<td>6MBit/s</td>
<td>27</td>
<td>-96</td>
</tr>
<tr>
<td>54MBit/s</td>
<td>24</td>
<td>-78</td>
</tr>
<tr>
<td>MCS0</td>
<td>27</td>
<td>-96</td>
</tr>
<tr>
<td>MCS7</td>
<td>23</td>
<td>-73</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>RATE (5 GHz)</th>
<th>Tx (dBm)</th>
<th>Rx (dBm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>6MBit/s</td>
<td>26</td>
<td>-96</td>
</tr>
<tr>
<td>54MBit/s</td>
<td>22</td>
<td>-80</td>
</tr>
<tr>
<td>MCS0</td>
<td>26</td>
<td>-96</td>
</tr>
<tr>
<td>MCS7</td>
<td>21</td>
<td>-75</td>
</tr>
<tr>
<td>MCS9</td>
<td>19</td>
<td>-70</td>
</tr>
</tbody>
</table>