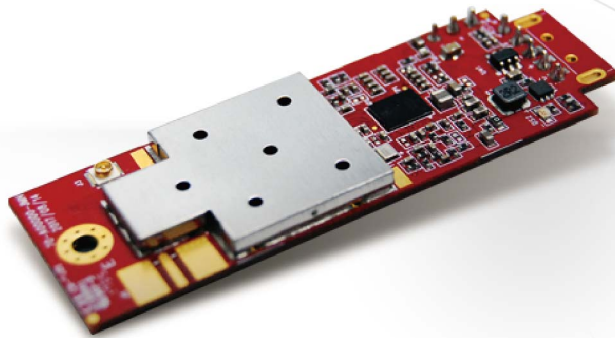




# AC-720M

802.11ac Wireless LAN USB Module



The AC-720M is an IEEE 802.11ac wireless embedded module that delivers exceptional wireless performance. This wireless module is available on an IEEE 802.11an/ac USB card.

## HARDWARE

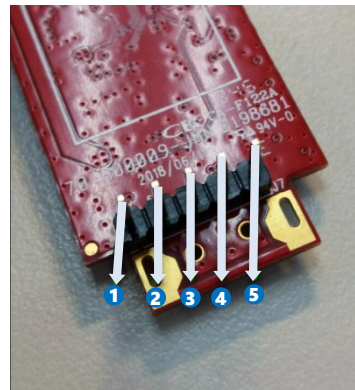
Standards	<ul style="list-style-type: none"> <li>• IEEE 802.11b/g/n</li> <li>• IEEE 802.11an/ac</li> </ul>
Host Interface	<ul style="list-style-type: none"> <li>• USB 2.0</li> </ul>
Operating Voltage	<ul style="list-style-type: none"> <li>• DC 5V±5%</li> </ul>
Power Consumption (Test mode with RF tool)	<ul style="list-style-type: none"> <li>• TX : ≤750mA (5V)</li> <li>• RX : ≤250mA(5V)</li> </ul>
Supported Data Rates	<ul style="list-style-type: none"> <li>• 11b: 22 dBm @ 11Mbps</li> <li>• 11g: 22 dBm @ 6Mbps</li> <li>• 11n: 22 dBm @ HT20/40</li> <li>• 11a: 20 dBm @6Mbps</li> <li>• 11ac: 20 dBm @VHT20/40/80</li> </ul>
Receive Sensitivity	<ul style="list-style-type: none"> <li>• 11b: -88dBm</li> <li>• 11a/g: -88dBm</li> <li>• 11n: -88dBm</li> <li>• 11ac: -88dBm</li> </ul>
Modulation	<ul style="list-style-type: none"> <li>• IEEE 802.11b: DSSS (DBPSK, DQPSK, CCK)</li> <li>• IEEE 802.11g: OFDM (BPSK, QPSK, 16-QAM, 64-QAM)</li> <li>• IEEE 802.11an/g/n: OFDM (BPSK, QPSK, 16-QAM, 64-QAM)</li> <li>• IEEE 802.11ac: OFDM (BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM)</li> </ul>
Antenna Connector	<ul style="list-style-type: none"> <li>• 1 U.FL, SMA (Option)</li> </ul>
Indicator	<ul style="list-style-type: none"> <li>• ON: power on</li> <li>• OFF: power off</li> </ul>

## DIMENSIONS & WEIGHT

Dimensions	<ul style="list-style-type: none"> <li>• 65 (L) x 20.9 (W) x 11.60 (H) mm with USB PIN header</li> </ul>
Weight	<ul style="list-style-type: none"> <li>• ≤10g</li> </ul>

## ENVIRONMENT

Operating	<ul style="list-style-type: none"> <li>• Temperature: -30 – 75 °C</li> <li>• Humidity: &lt;90% RH</li> <li>•(non-condensing)</li> </ul>
Storage	<ul style="list-style-type: none"> <li>• Temperature: -30 – 80 °C</li> <li>• Humidity: 10 – 90% RH</li> </ul>



## PIN DEFINITION

PIN No.	PIN Description
1	HW Reset
2	VCC (+5V)
3	USB_D-
4	USB_D+
5	GND