

LGA22U is an 802.11a/b/g/n Wireless 2T2R dual-band MIMO USB interface LGA module that enables devices with high performance wireless connectivity.

## FEATURES

- Supports 2T2R 2.4/5GHz dual-band
- PHY data rate up to 144.4 Mbps using 20MHz bandwidth, 300 Mbps using 40MHz bandwidth
- Supports IEEE 802.11e/ i/ h/ k



## SPECIFICATIONS

Standards	IEEE 802.11 a/b/g/n
Chipset	Realtek RTL8192DU
Frequency Band	2.4 - 2.483 GHz; 5.150 ~ 5.825 GHz
Encryption	64/128 bit WEP, WPA,WPA2, IEEE 802.1x
Output Power	<p><b>2.4GHz Band:</b></p> <p>802.11n (HT20, MCS7): 9 ± 2 dBm</p> <p>802.11n (HT40, MCS7): 9 ± 2 dBm</p> <p>802.11g (54Mbps): 11 ± 2 dBm</p> <p>802.11b: 17 ± 2 dBm</p> <p><b>5GHz Band:</b></p> <p>802.11n (HT20, MCS7): 9 ± 2 dBm @ Lower/Middle Band</p> <p>802.11n (HT20, MCS7): 7 ± 2 dBm @ Upper Band</p> <p>802.11n (HT40, MCS7): 9 ± 2 dBm @ Lower/Middle Band</p> <p>802.11n (HT40, MCS7): 7 ± 2 dBm @ Upper Band</p> <p>802.11a: 10 ± 2 dBm @ 54Mbps</p>
Receive Sensitivity	<p><b>2.4GHz:</b></p> <p>802.11b: -80 dBm max. @ 11Mbps</p> <p>802.11g: -65 dBm max. @ 54Mbps</p> <p>802.11n (HT20): -64 dBm max. @ MCS07</p> <p>802.11n (HT40): -61 dBm max. @ MCS07</p> <p><b>5GHz:</b></p> <p>802.11a: -65 dBm max. @ 54Mbps</p> <p>802.11n (HT20): -64 dBm max. @ MCS07</p> <p>802.11n (HT40): -61 dBm max. @ MCS07</p>
DC Voltage	3.3V (Typical)
Host Interface	USB 2.0
Antenna	Two printed PCB antennas on board (2T2R)

Host Connector	LGA module
Temperature	Operating: 0 ~ 70 Celsius Storage: -20 ~ 70 Celsius
Humidity	Storage: 10 ~ 80% (Non Condensing)
Dimensions (L x W x H)	38.5 x 23.0 x 2.85 mm

\*Specifications are subject to change without further notice.