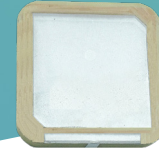
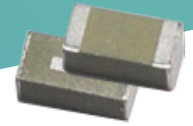


# ANTENNAS FOR THE IoT

2G/3G/4G LTE | Wifi/Bluetooth/Zigbee  
ISM | LPWA | GPS/GNSS Navigation | LoRa  
RFID



**APAKN2504-C2G-T**  
Patch Antenna | 3.6dBi Gain  
GNSS/GPS/GLONASS



**ACAG0301-5500-T**  
Chip Antenna | 4.5dBi Gain  
WIFI/Bluetooth/ZigBee, ISM

## Featuring High Gain up to 7.2dBi Miniature Chip Antennas, High Gain Patch, and Combo External Antennas

Abracon introduces a new line of antennas designed to address connectivity in the Internet of Things. The IoT Antennas span over 7 protocols including 4G, GPS, LPWA, WiFi, and GSM. These products includes a broad mix of external, external active, chip, patch, and RFID reader antennas supporting high gain and dual band options.

Protocol	Antenna Type	Abracon PN	Description	Dimensions (mm)	Gain (dBi)
2G/3G	External	AEACCA115021-S850	2G/3G/GSM Ext BLADE	115.6 x 217 x 5.8	2
4G/LTE	External	AEACAC198013-S698	4G/LTE Ext WHIP	198.0 x Ø 13.0	3
	External	AEACCA115021-S698	4G/LTE Ext BLADE	115.6 x 217 x 5.8	2
GNSS/GPS/GLONASS <i>Lowest Profile</i>	Chip	ACAG0301-1575-T	1.575GHz GNSS/GPS Chip	3.2 x 1.6 x 0.6	4.18
	External Active	AEAGMK148060-S1575	GLONASS/BEIDOU/GPS DOME	Ø 148.0 x 60.0	4.5
	Patch	APAKN1304-C2G-T	Dual Band GPS/GLONASS Patch	13.0 x 13.0 x 4.0	2.6   2.4
	Patch	APAKN1804-C2G-T	Dual Band GPS/GLONASS Patch	18.0 x 18.0 x 4.0	2.8   2.9
	Patch	APAKN2504-C2G-T	Dual Band GPS/GLONASS Patch	25.0 x 25.0 x 4.0	3.6
ISM, LPWA, LoRa	Chip	ACAG1204-433-T	433MHz LPWA/ISM Chip	12.0 x 4.0 x 1.6	-1.72
	Chip	ACAG1204-868-T	868MHz LORA/LPWA/ISM Chip	12.0 x 4.0 x 1.6	2.63
	Chip	ACAG1204-915-T	915MHz LORA/LPWA/ISM Chip	12.0 x 4.0 x 1.6	3.42
	External	AEACAC053010-S433	433MHz ISM, LPWA Ext WHIP	53.4 x Ø 10.4	2
	External	AEACAQ190012-S868	868MHz LORA/LPWA/ISM WHIP	190.0 x Ø 12.9	3.5
	External	AEACAQ190012-S915	915MHz LORA/LPWA/ISM WHIP	190.0 x Ø 12.9	3.5
WIFI/Bluetooth/ZigBee, ISM <i>Smallest</i> <i>Dual Band WLAN</i> <i>High Gain Chip</i>	Chip	ACAG0201-2450-T	2.4GHz WIFI/BL/ISM Chip	2.0 x 1.25 x 0.6	2.7
	Chip	ACAG0301-24505500-T	2.4GHz/5GHz WIFI/BL Chip	3.2 x 1.6 x 1.2	2.23   4.05
	Chip	ACAG0301-5500-T	5GHz WIFI/ISM Chip	3.2 x 1.6 x 1.2	4.5
	Chip	ACAG0801-2450-T	2.4GHz WIFI/BL/ISM Chip	8.0 x 1.0 x 1.0	7.29
	External	AEACAC025009-S2400	2.4GHz WIFI/BL/ISM Ext WHIP	25.9 x Ø 9.5	2
	External	AEACAQ190012-S2400	2.4GHz WIFI/BL/ISM Ext WHIP	190.0 x Ø 12.9	5
	Patch	APAKN1304-S5517-T	5GHz WIFI/ISM Patch	13.0 x 13.0 x 4.0	6
	Patch	APAKN2504-S2448-T	2.4GHz WIFI/BL/ISM Patch	25.0 x 25.0 x 4.0	7
Multi Protocol WIFI/Bluetooth/ZigBee, ISM, GNSS/GPS/GLONASS	Chip	ACAG0301-15752450-T	2.4GHz Dual WIFI/GPS Chip	3.2 x 1.6 x 1.2	1.21   3.18
	External Active	AEACBK046014-C2WG	WIFI/GPS Combo Ext Active	Ø 46.6 x 14.5	2
RFID Reader Antennas	RFID	ARRKP4065-S915A	915MHz 1.5dBi Reader RFID	40.0 x 40.0 x 6.5	1.5
	RFID	ARRKP5062-S915B	915MHz 3dBi Reader RFID	50.0 x 50.0 x 6.2	3
	RFID	ARRKP7059-S915B	915MHz 4dBi Reader RFID	70.0 x 70.0 x 5.9	4