

TECHNOLOGICAL SPEC.

1. Product Name : Almond 3S

Model : A3S

2. Power Source : ■ DC 3.7 V, mA; ■ Adapter Input: 100~240V
50~60Hz Max 1.0A
Output: 12V 2.5A

3. Frequency Band : 2.4 GHz ~ 2.4835 GHz; 5.15 GHz ~ 5.25 GHz;
5.725 ~ 5.85 GHz

Carrier Frequency : 2.412 GHz ~ 2.462 GHz; 5.18 GHz ~ 5.24 GHz;
5.745 GHz ~ 5.825 GHz

4. Number of Channel : 2.4 G band 802.11b/g/n - HT20 : 11 ch
2.4 G band 802.11n - HT40 : 7 ch
5.1G band 802.11a/n/ac - HT20 : 4 ch
5.1G band 802.11n/ac - HT40 : 2 ch
5.1G band 802.11ac - HT80 : 1 ch
5.8G band 802.11a/n/ac - HT20 : 5 ch
5.8G band 802.11n/ac - HT40 : 2 ch
5.8G band 802.11ac - HT80 : 1 ch

6. RF Output Power : ZigBEE : 75.47 dBuV/m@2440 MHz
2.4G band
802.11b : 7.92 dBm (6.19 mW)
802.11g : 5.67 dBm (3.69 mW)
802.11n - HT20 : 7.26 dBm (5.32 mW)
802.11n - HT40 : 7.31 dBm (5.38 mW)
5.1G band (MLWG3)
802.11a : 9.29 dBm (8.49 mW)
802.11n - HT20 : 11.92 dBm (15.56 mW)
802.11n - HT40 : 11.51 dBm (14.17 mW)
802.11ac - HT20 : 11.91 dBm (15.57 mW)
802.11ac - HT40 : 10.70 dBm (11.74 mW)
802.11ac - HT80 : 11.19 dBm (13.16 mW)
5.1G band (MLWG3/64)
802.11a : 9.28 dBm (8.47 mW)
802.11n - HT20 : 11.48 dBm (14.06 mW)
802.11n - HT40 : 11.03 dBm (12.66 mW)

802.11ac - HT20 : 11.33 dBm (13.58 mW)

802.11ac - HT40 : 11.09 dBm (12.84 mW)

802.11ac - HT80 : 11.16 dBm (13.08 mW)

7. Modulation Type : IEEE802.11b DSSS(BPSK/QPSK/CCK)

IEEE802.11g OFDM(BPSK/16-QAM/64-QAM)

IEEE802.11n SISO-OFDM(BPSK/QPSK/16-QAM/64-QAM)

IEEE802.11a OFDM(BPSK/ QPSK/16-QAM/64-QAM)

IEEE802.11ac MIMO-OFDM(BPSK/QPSK/16-QAM/64-QAM/256-QAM)

8. Mode of operation (duplex, simplex, half duplex) : Duplex

9. Antenna Type : ZigBEE : PIFA Antenna

2.4G & 5G band : Printed Antenna

10. Antenna gain : ZigBEE : 3.28 dBi

2.4G : 2.0 dBi (ANT#1), 2.0 dBi (ANT#2)

5G : 2.0 dBi (ANT#1), 2.0 dBi (ANT#2)