



Type 1AD Certified for Ayla IoT Cloud software

Order Number LBWB1ZZ1AD

- 2.4GHz Wi-Fi Module
- Network Topology: STA mode
- Chipset: Cypress (CYW4390)
- Processor: ARM Cortex-M3
- Modulation: DSSS / CCK / OFDM
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Product Type	Module
Grade	Consumer
Frequency	2.4GHz
Frequency MHz (min)	2400
Frequency MHz (max)	2483.5
Chipset	Cypress (CYW4390)
Processor	ARM Cortex-M3
Modulation	DSSS / CCK / OFDM
Antenna	On-board
RF Conn/ Antenna	PCB Antenna
System Clock	Internal X'tal
Operating Temperature Range	-30 to +85
Operating Temperature °C (min)	-30
Operating Temperature °C (max)	85
Mounting Type	Connector Mount
Package	Connector
Dimension	33.0 x 18.0 x 2.5 mm
Supply Voltage (Vdc)	3.3
Supply Voltage min	3.13
Supply Voltage max	3.46
Transmit Power	+17dBm @ 11Mbps +13dBm @ 54Mbps +12dBm @ 65Mbps
Receiver Sensitivity	-88dBm @ 11Mbps -75dBm @ 54Mbps -73dBm @ 65Mbps
Transmit Mode Current	240mA @ 11Mbps 200mA @ 54Mbps 200mA @ 65Mbps
Receive Mode Current	60mA
Data Rate WLAN	11, 54, 65 Mbps
Bluetooth	No
WLAN	802.11b/g/n
Technology	Wi-Fi
Network	STA mode
Host Interface	UART
I/O Interface	GPIO
Host Interface Other	No

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Interface Voltage (Vdc for VIO)	3.3
FCC/IC Certified	FCC/IC Certified
ETSI Certified	Yes
ISO9001	Yes
TS16969	No
Certification	• CE (Europe) EN 300328 V1.8.1
	Conducted Test Report available
	Note: CE marking and declaration should be done by customer as a final product.

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