Wireless Modules for IoT Applications

Murata is a world leader in the design and manufacture of wireless connectivity modules. With the industry's broadest wireless connectivity portfolio, Murata offers cost-effective, high volume wireless modules that are easily integrated into your end products. Murata's connectivity modules are embedded in Internet of Things (IoT) applications, including handheld, wearable, and industrial machine-to-machine (M2M) systems where size, performance, and power consumption are critical.

Bluetooth® Smart

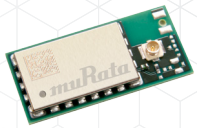
Model
Type ZY

Part Number
LBCA2HNZYZ-711

Dimensions (mm)
7.4x7.0x1.0

Wi-Fi® 802.11 b/g/n

Model
SN8000



Part Number
88-00153-02

Dimensions (mm)
24.0x11.4x1.9

Embedded Wi-Fi® 802.11 b/g/n

Model
SN8205

Part Number
88-00158-02

Dimensions (mm)
30.5x19.4x2.8

Embedded Wi-Fi® 802.11 b/g/n

Model
Type YD-Certified

Part Number
LBWB1ZZYDZ-740

Dimensions (mm)
33x18x2.5

900MHz FHSS

Model
DNT900

Part Number
DNT900XTND

Dimensions (mm)
61x37x4.4

Product images not to scale.

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Model	Type ZY	SN8000	SN8205	Type YD-Certified	DNT900
Wireless Technology	Bluetooth® Smart v4.1	Wi-Fi® 802.11 b/g/n	Wi-Fi® 802.11 b/g/n	Wi-Fi® 802.11 b/g/n	900MHz Frequency Hopping (FHSS)
Part Number	LBCA2HNZYZ-711	88-00153-00, 88-00153-02	88-00158-00, 88-00158-02	LBWB1ZZYDZ-740	DNT900XTND
EVK Part Number	LBCA2HNZYZ-TEMP-DK	88-00153-85, 88-00153-87	88-00158-95, 88-00158-97	LBWB1ZZYDZ-DTEMP -SNIC-A	DNT900XTNDDK
Wireless Stack	On module	On host	On module	On module	On module
Processor	On module Cortex M0	Customer selected MCU/ MPU	On module Cortex M3	On module Cortex M3	Customer selected or stand-alone
Temperature	-40 to +85°C	-40 to +85°C	-40 to +85°C	-40 to +85°C	-40 to +85°C
Certification	FCC/IC/CE	FCC/IC/CE	FCC/IC/CE	FCC/IC	FCC/IC
Other Software Feature	Programmable application and profiles	AP/STA dual mode, serial to Wi-Fi	AP/STA dual mode, serial to Wi-Fi	AP/STA dual mode, serial to Wi-Fi, Cloud agent*	Pt-Pt/Mpt., Long Range Mesh
Applications	Sensing nodes, Health & Fitness, Wearables, Smart energy, Proximity tags	Home appliances, Smart energy, Industrial monitoring & control	Home appliances, Smart energy, Industrial monitoring & control	Wearables, Smart energy, Home automation, Cloud services	Industrial Data Communication, Control & monitoring

Please use part number when placing orders.

*LBWB1ZZYDZ-683 for Ayla Cloud Agent

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