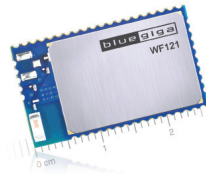




# Wi-Fi Modules comparison chart



**WF111**



**WF121**

## Radio performance

Typical TX power	+17 dBm	+17 dBm
Typical RX sensitivity	-91 dBm	-91 dBm
Line of sight range	300-500m	300-500m

## Host Interfaces

SDIO	Yes	No
CSPI	Yes	No
UART	No	Yes
USB	No	Yes *

## Peripheral Interfaces

SPI	-	up to 2*
UART	-	up to 4*
USB	-	1xOTG*
Ethernet MAC	-	1*
I2C	-	up to 2*
GPIO	6	up to 38
AIO	-	up to 10*

## Microcontroller

Architecture	-	MIPS 4K
MHz	-	80 Mhz
RAM	-	128 kB (64 kB free)
Flash	-	512 kB (256 kB free)

## Operating voltage

Operating voltage	1.8V and 3.3V	2.7V - 3.6V
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## Bluegiga APIs

Bluegiga BGAPI binary protocol	-	Yes
Bluegiga BGLib host library	-	Yes

## OS drivers

Linux	Yes	Not needed
Windows	-	Not needed

## Software development

On-board applications	-	Yes
Bluegiga BGScript support	-	Yes
Firmware development service	-	Yes
SDK	Linux wireless tools	Bluegiga SDK

## Dimensions

Dimensions (W x L x H)	12.0 x 19.0 x 2.1 mm	15.4 x 26.2 x 2.1 mm
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\* check availability schedule for software support