

Operation Description

The EUT is working base on the MCU RK3288 (Crystal: 24MHz&32.768KHz).

The EUT BT/2.4GWIFI is equipped with RF module RTL8189ETV (Crystal: 26MHz).

Wireless technology, more technical information as follows:

Product Name:	Digital Signage Advertising Machines, Touch All-in-one Machines, All-in-one Machines, Teaching and Conference Whiteboards, Smart Class Signs, Touch self-service inquiry all-in-one machine, Splicing Screen All-in-one Machines
Model/Type reference:	XYJ-BA215TP
Power supply:	Input: 100-240V~ 50/60Hz 1.5A
Hardware version:	V1.0
Software version:	V1.0
Bluetooth :	
Supported Type:	Bluetooth BR/EDR
Modulation:	GFSK, $\pi/4$ DQPSK, 8DPSK
Operation frequency:	2402MHz~2480MHz
Channel number:	79
Channel separation:	1MHz
Antenna type:	External antenna
Antenna gain:	3.99 dBi
Bluetooth BLE	
Supported type:	Bluetooth low Energy
Modulation:	GFSK
Operation frequency:	2402MHz to 2480MHz
Channel number:	40
Channel separation:	2 MHz
Antenna type:	External antenna
Antenna gain:	3.99 dBi
2.4GWIFI :	
Supported type:	802.11b/802.11g/802.11n(HT20)/ 802.11n(HT40)
Modulation:	802.11b: DSSS 802.11g/802.11n(HT20)/ 802.11n(HT40): OFDM
Operation frequency:	802.11b/802.11g/802.11n(HT20): 2412MHz~2462MHz 802.11n(HT40): 2422MHz~2452MHz
Channel number:	802.11b/802.11g/802.11n(HT20): 11 802.11n(HT40):7
Channel separation:	5MHz
Antenna type:	External antenna
Antenna gain:	3.99 dBi

Manufacturing tolerance

Mode	Max. Peak Conducted Output Power (dBm)	Max. tune-up
BLE	-3.24	-3.0 ± 1
BR/EDR	-0.18	0.0 ± 1
2.4GWIFI	15.34	15.0 ± 1