



APPLICATION

SE-1 TWIN is a wireless high-performance device capable of high-speed communication within a distance of up to 300m from open land using WiFi communication technology. Users can select between 2.4GHz and 5GHz frequency bands, and when using 5GHz frequency band, 2x2 MIMO function is supported. Bluetooth communication function supports 4.1 Bluetooth, EDR.

FEATURES

- Provides Wi-Fi Access Point function.
- Provides external device control function using host interface and Bluetooth communication function.
- Provides a function to transmit image data input from the sensor to the server.
- Provides a function to select a communication method from among Ethernet and Wi-Fi.
- Provides ON/OFF control function of power on Wi-Fi circuit.
- Provides Web UI function for function setting.

GENERAL

SE-1 TWIN	
Rated power input	DC 5V 2A
Power consumption	7W (Typical)
Operation temperature	0°C ~ 40°C
Operation humidity	25~90% (non-condensing)
Storage temperature	-10°C ~ 85°C

BLUETOOTH

SE-1 TWIN	
Transmit Power Range	+9 dBm ± 2 dB
Receive Dynamic Range	BDR : -93 dBm ± 1.5 dB
	EDR : -89 dBm ± 1.5 dB
	BLE : -95 dBm ± 1.5 dB
Modulation	BDR(GFSK) : 1 Mbps
	EDR($\pi/4$ DQPSK) : 2 Mbps
	EDR(8 DQPSK) : 3 Mbps
Channel	79
Frequency Range	2402 ~ 2480 MHz

WIFI

SE-1 TWIN	
Transmit Power Range	802.11 b : 0 ~ 32 dBm
	802.11 g/n : 0 ~ 32 dBm
	802.11 a/n/ac : 0 ~ 32 dBm
Receive Dynamic Range	802.11 b : -98 dBm ± 1 dB @ 11 Mbps
	802.11 g/n : -95 dBm ± 1 dB @ 54 Mbps
	802.11 a/n/ac : 0 ~ 90dBm ± 1 dB @ 867 Mbps

SE-1 TWIN

Data Rate	802.11 b : 1 ~ 11 Mbps
	802.11 a/g : 6 ~ 54 Mbps
	802.11 n MIMO(MCS8~15) : ~ 300 Mbps
	802.11 ac MIMO(MCS0~9) : ~ 867 Mbps
Channel	802.11 b/g/n : 1 ~ 13
	802.11 a/n/ac : 36, 40, 44, 48, 149, 153, 157, 161, 165
Frequency Range	2400 ~ 2500 MHz, 4900 ~ 5845 MHz
Bandwidth	2.4GHz band : 20 MHz
	5GHz band : 20 / 40 / 80 MHz

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