

# KyAir800E

## Industrial Wireless WiFi6 AP



### » Overview

KyAir800E is a Wi-Fi6 outdoor wireless access device. The product adopts a four-stream design of the whole machine, which can effectively solve the WLAN requirements in outdoor environments. The device supports 802.11 ax standard and 4\*4 spatial streaming, with a maximum transmission rate of 5.3 Gbps. With the omnidirectional antenna that comes with the device, the wireless coverage can reach 300 meters. The wired port supports 2.5 Gbps to avoid system bottlenecks caused by Gigabit wired ports.

KyAir800E supports MU-MIMO technology. Through MU-MIMO technology, data can be sent to multiple terminals at the same time, breaking through the traditional wireless network serial communication mechanism, the utilization rate of wireless spectrum resources is doubled, and the number of effective access users is greatly improved. It can effectively reduce the deployment overhead of the wireless network and improve the user experience in the case of high-density users

## » Key Features

Support IEEE 802.11 ax technology

Support 2.5Gbps Ethernet port

Support 4\*4 MU-MIMO technology, the access capacity of the whole machine is 5373Mbps

Supports 802.11 kvr roaming enhancements

Supports IPv4 and IPv6 dual protocol stacks

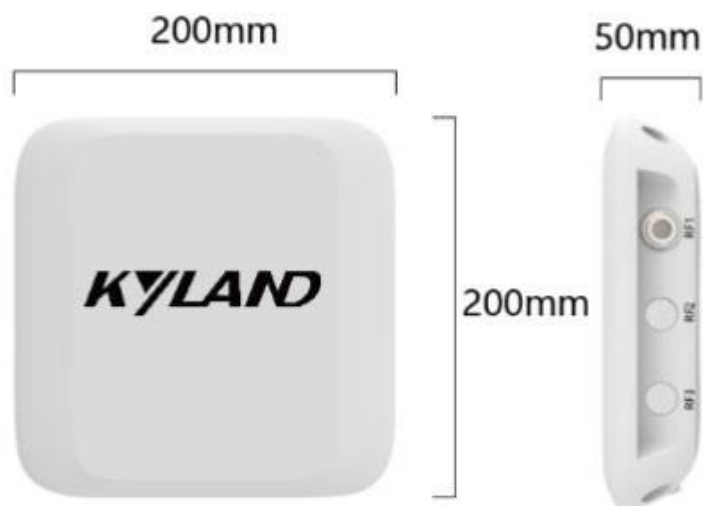
IP66 protection level

## » Product Specifications

Hardware Specifications	Host size	200mm x 200mm x 50mm
	Net weight	1.3 kg
	Mounting method	Holding rod, holding rod diameter ≤ 50 mm
	Protection	IP66
	Antenna Gains	2.4 G: 5dBi 5G: 7dBi
	Antenna beamwidth	2.4G Horizontal 360°, Vertical 22° 5G Horizontal 360°, Vertical 11°
	Antenna mounting mode	Embrace rod, 40 ≤ Embrace rod diameter ≤ 80 mm
	Antenna size	Φ75mm × 465mm
	antenna weight	Approximately 1.3 kg
	Power supply mode	48V PoE+ power supply
	Maximum Power Consumption (W)	24W
	Network interface	1 * 10/100/1000Mbps RJ45 port, 1 * 2.5Gbps RJ45 port
	Radio frequency interface	4 * N Type connector
	Maximum transmitting power	2.4 G: 21dBm 5G: 24dBm
	Operating temperature	-30°C~65°C

	Storage temperature	-40°C~85°C
	Ambient Relative Humidity	5% ~ 95% non-condensing
	Wind resistance velocity	150km/h
Software Specifications	Standard	IEEE 802.11 a/b/g/n/ac/ax
	Frequency	2.4G: 2412 ~ 2472MHz (China) 2412 ~ 2462MHz (USA) 2412-2472MHz (most countries) 5G: 5180 ~ 5320MHz, 5745 ~ 5825MHz (China) 5180 ~ 5320MHz, 5500 ~ 5720MHz, 5745 ~ 5825MHz (USA) 5160 ~ 5340MHz, 5480 ~ 5720MHz, 5745 ~ 5865MHz (India) 5160 ~ 5340MHz, 5480 ~ 5720MHz, 5745 ~ 5825MHz (UAE) 5745 ~ 5805MHz (Indonesia) * The above frequencies need to be supported by a specific version
	Working mode	Access Point, Client
	Security protocols	WPA3, hidden SSID, IP/MAC filtering
	Network model	Bridge/Routing
	Configuration Management	Support web configuration, AC remote management, SNMP management
Others	Support load balancing, roaming enhancement, multi-VAP, automatic frequency selection, client isolation, client speed limit, maximum user configuration, firmware backup	


**Mechanical Drawing**



## » Ordering Information

Product Model	Description
KyAir800E	Industrial Dual Radio 2.4G +5GHz Concurrent Wireless AP/Client/bridge, 802.11a/b/g/n/ac/ax WLAN, data rates up to 5373Mbps, IP66 Enclosure, support 802.3at PoE power supply, support KyAir3006 wireless controller

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