

HX Series Wireless Industrial Routers-RF/AP

The HX Series Wireless Industrial Routers-RF/AP is a powerful industrial router-rf/ap device. This series of devices is compatible with WIFI and 5G/4G networks, with industrial-grade protection, wide temperature and wide voltage design, and can easily build a high-speed and stable wireless local area network, covering 50-100 square meters of venues, providing stable and reliable WIFI access for factory and mining areas, shopping malls, villa courtyards and other scenes.

The HX series router-rf/ap uses a high-performance industrial-grade communication processor and industrial-grade communication module with SDR software-defined radio, built-in WEB UI setting interface, and provides 1 RS232/485, 1 Ethernet WAN/LAN interface. It can connect serial devices and Ethernet devices at the same time, realizing functions such as high-definition video transmission, transparent data transmission and intercom voice, and providing stable and reliable network services for terminal devices within the coverage area.

The HX series devices are divided into two types: indoor and outdoor. Indoor devices can be directly installed in indoor weak current boxes, and outdoor devices can be directly installed outdoors. The only difference between the two is the shell protection level.

The entire series of equipment is suitable for extremely low temperature working environments and provides enhanced intelligent frequency selection and adaptive frequency hopping for anti-interference, adapting to harsh environments with strong electromagnetic interference, and providing secure and confidential communication with AES/DES encryption.



Indoor



Outdoor

HX Series Wireless Industrial Routers-RF/PA Technical Parameters

Model Information	Industrial Routers-RF/PA HX11/HX18/HX50/HX80/HX100/HX110/HX120/ HX125/HX180/4G LTE 1710-1735/4G LTE1805-1830
Dimensions/weight	14.2x14.0x5.0cm/962g (Indoor) 25.8x24.0x6.5cm/4.6kg (Outdoor) 35.5x35.1x15.0cm+35.5x35.1x15.0cm/12.6kg+12.1kg (Outdoor)
Number of antennas	2
Applicable frequency band	1.7GHz(4G LTE), 2.4GHz, 5.8GHz
WAN/LAN port type	100M
Heat dissipation method	Natural heat dissipation
Body material	Aluminum
Bandwidth	5-20MHz/20-40MHz/40-160MHz
Support IPv6	Yes
Other ports	Serial port
Management method	WEB page
Total number of devices	Less than 10
Antenna	External antenna
WAN port/LAN port	1
With USB or not	No
Wireless protocol	4G LTE, 802.11a/b/g/n
Applicable area	50-100 m ²
Wireless rate	100M
APP control	No
Network port blind plug	Support
Firewall	Support
Support Mesh or not	Support
Power supply range	Power adapter (input 100-240VAC, 50/60Hz; output 5VDC, 0.4A)
RF Output Power	Less than 500mW+500mW/5W+5W
Operating temperature	-55°C ~60°C
Applicable scenarios	Industrial area, shopping mall, villa courtyard, etc.