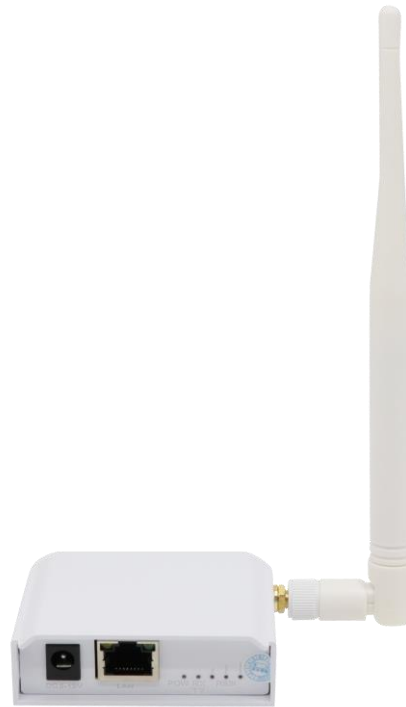


ETHERNET AIR product manual



Describe

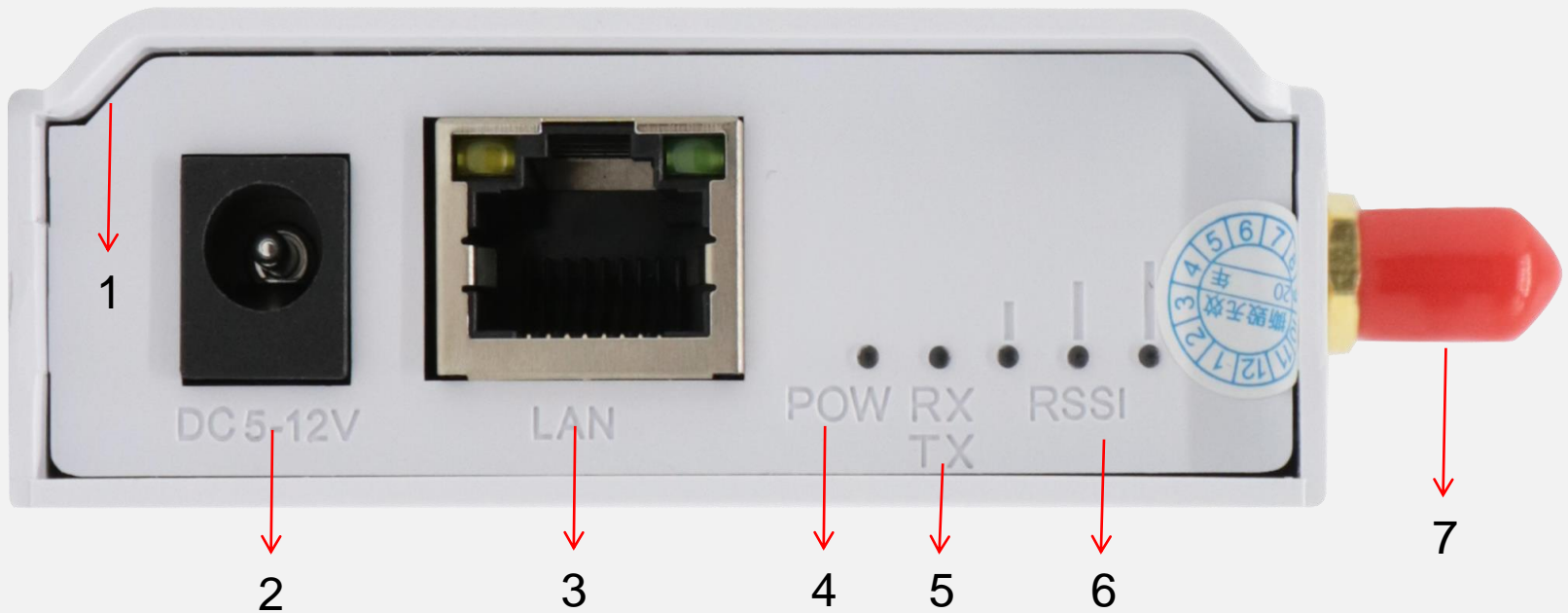
Ethernet air adopts the latest Wi Fi standard 802.11AH (903.5MHz-926.5MHz).Support a variety of bandwidth allocation, flat system architecture design, achieve 1M, 2M, 4M, 8M four kinds of bandwidth communication, dynamic rate adjustment. Especially suitable for security monitoring, smart city, robot, special communication, intelligent manufacturing, intelligent agriculture, wireless extended coverage, unmanned ship and other intelligent application fields.

Features

- Transmission distance: up to 1000 meters in a straight line; Non intervisibility up to 500 meters.
- Up to 16mbps wireless transmission rate
- Support point-to-point or point to multipoint wireless network topology.
- Low cost ad hoc network solution.
- Support AP mode / station mode.

- SMA antenna interface supports multiple antennas.
- Outdoor rain proof design of product shell.
- Sub-GHz(903.5MHz~926.5MHz) working band, with strong penetration and diffraction capability .
- product plug and play without any team setting.
- LED indicates running status.

Appearance description



1: Rainproof enclosure

3: RJ-45 network port

5: RX / TX mode indicator

7: Antenna SMA port

2: 5-12VDC power port

4: power indicator

6: Signal strength indicator

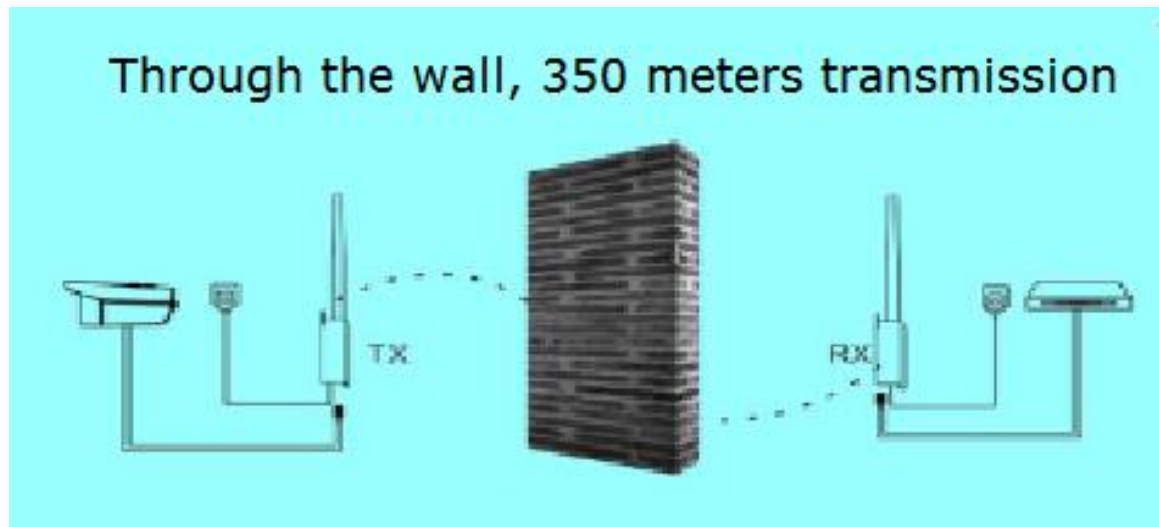
Parameters

Catagories	Items	Values
Wireless	Wireless Standard	802.11AH
	Frequency	903.5MHz-926.5MHz
	Bandwidth	1MHz, 2MHz, 4MHz, 8MHz
	Maximum data rate	16Mbps
	Receiving sensitivity	1M PPDU MCS=10 -105dbm. 8M PPDU MCS=0 -95dbm. 8M PPDU MCS=7 -81dbm
	Network node	Up to 8 access points
	Transmitting power	20dBm / 100mW 50Ω
	Modulation mode	BPSK, QPSK, QAM16 or QAM64
	Transmission distance	Maximum visibility is 1000 meter. Maximum non visibility is 500 meter.
	Encryption method	WPA2-PSK , AES
Hardware	Network port	10/100Mbps
	Power Adaptor	DC5V 1A , DC12V 1A
	LED indicator	Power indicator, AP access indicator, Signal strength indicator
	Antenna port	SMA port female

Catagories	Items	Values
Electrical characteristics	Operating Voltage	5Vdc~12Vdc
	Working current	500mA Max (Typical 300mA)
	Operating temperature	-10 °C ~ 70 °C
	Storage temperature	-40 °C ~ 85 °C
	Humidity	10% ~ 90%
Antenna	Type	SMA male port ,gain-2dBi, Omni antenna
	Size	190mm long
Machine	Product size	73mm × 69mm × 24 mm(No Antenna)
	Package size	240mm × 170mm × 65mm
	Weight	50 g
Material	Shell material	PC
	colour	White
Certificate		FCC , CE

Product application 1

Video surveillance:



Through the network cable, TX (transmitting) equipment is connected with IPC. RX (receiving) equipment is connected with network cable and NVR or computer, and can be transmitted through a wall within 350 meters.

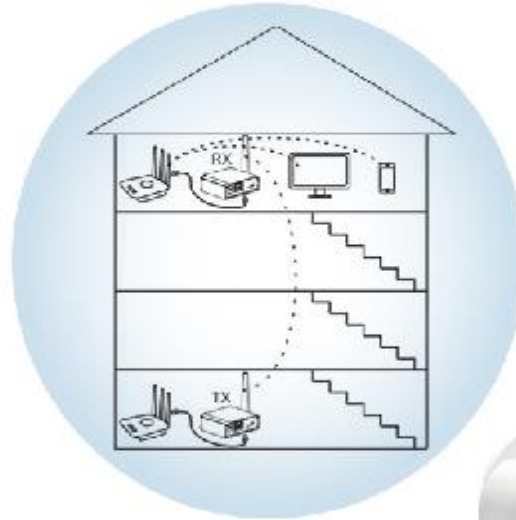
Product application 2

WiFi signal expansion:

TX device is connected with LAN port of external router by network cable;

RX device is connected with WAN port of remote router by network cable, and WiFi signal is transmitted to remote router.

Super penetration, vertical penetration of 4 floors, WiFi coverage of 5000 square meters



Peroration

Reminder:

As this product uses WiFi technology and belongs to the WiFi family, only the distance and wall performance are better than the existing WiFi, so it belongs to consumer wireless products. Therefore, it is recommended to use one-to-one and one-to-two, the open distance is within 500 meters, and the sheltered place is within 300 meters, which can ensure the smooth flow of wireless communication and video image.