

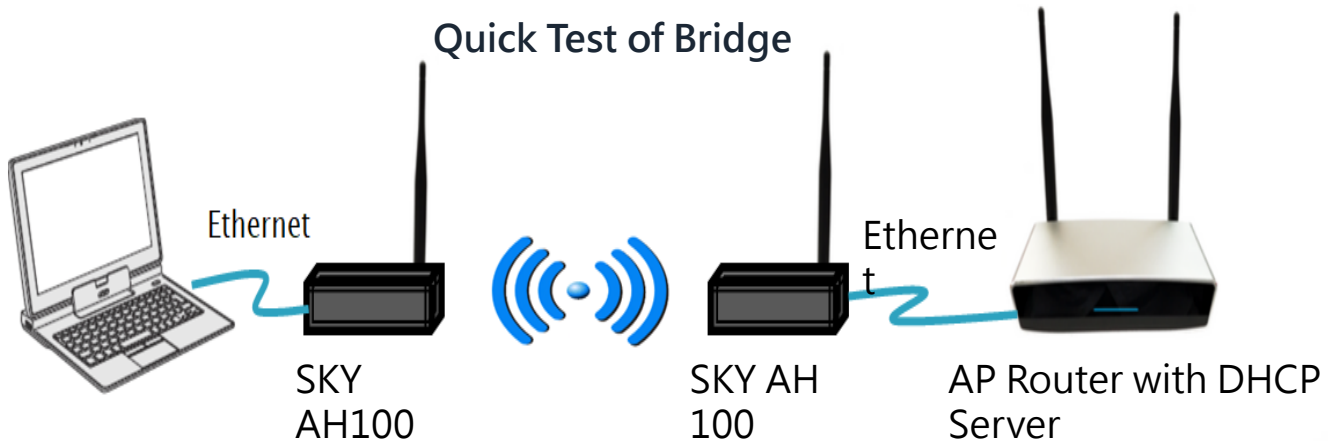


SKY AH100 Ethernet Extender

Feature



1. The SKY AH100 uses the sub-1GHz ISM band to build a long-range ultra-low power consumption WiFi network.
2. AH100 supports two operation modes: AP mode and STA.
3. The user can easily set the operating mode using the mode selection button.
4. For ease of use and installation, the AH100 provides a pairing button to establish a WiFi network instead of complicated manual setup.
5. An AP can support multiple STA connections at the same time. The total number of STAs depends on the number of transmissions and the application. Therefore, the best overall performance can be obtained with an appropriate number of STAs.



To quick test the connection of SKY AH100, set up the test environment as Figure

1. Check the LED "CONNECT" to see if the connection has been
2. established.
3. Check NB' s IP address that is got from AP Router.
4. Use PING command to query the IP address of AP Router.

Specification

Specification	
Frequency	915MHz (US) (902MHz~928MHz)
Modulation	OFDM with BPSK, QPSK, 16QAM, 64QAM
Data Rate	150Kpbs ~ 15Mbps
Channel Bandwidth	1/2/4/8 MHz
Antenna Connector	SMA
Interface	RJ45
LED	PWR x 1 / Connect x 1 / RSSI x 3
Button	AP/STA Mode x 1 / Pairing x 1
DC Jack	5V~12V@1A
Operating Temperature	-20~70°C
Storage Temperature	-30~70°C
Accessory	
Antenna	Dipole antenna with peak gain 2dB

- 1.LED PWR : red, power on
- 2.LED CONNECT : green, connection links up
- 3.LED RSSI : blue, RF signal strength
- 4.DC Jack
- 5.Pairing Button
- 6.AP/STA Mode Button: press the button to AP mode, otherwise, the device is in STA mode
- 7.SMA Connector
- 8.RJ45 Connector

Appearance

The appearance of SKY AH100 is shown as below.

