10km 300Mbps Wireless Bridge

Model: ST5816H

Waterproof Connector

ST568 (B)

1:Orange & white   2:Orange   3. Green&White   4.Blue

5.Blue & White   6.Green   7.Brown&White   8.Brown

Bracket
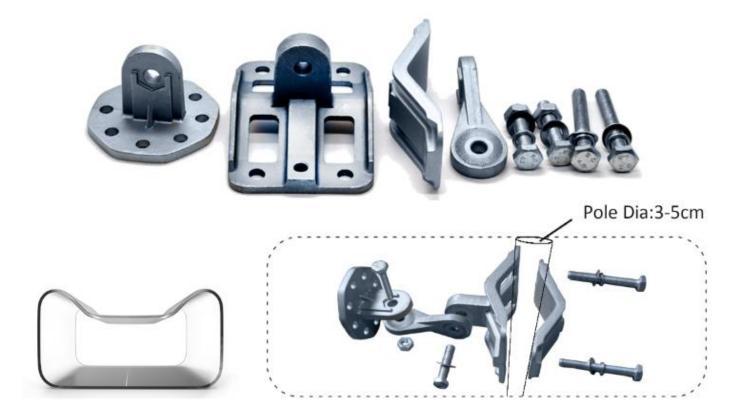

Pole Dia:3-5cm

Introduction

ST5816H is an outdoor IP67 wireless transmission bridge with integrated antenna and RF module design for 10km. Its actual testing data rate 60Mbps for 10km. ST5816H supports AP, Routing Mode, WDS, Repeat Mode to do PTP and PTMP transmission. IP67 grade support waterproof, dustproof and salt-spray proof

Features

- Brief English operation interface
- Support 10km distance LOS
- Built-in 18db 5Ghz dual-polarized antenna
- Transmit Power up to 27dBm
- Receiving sensitivity up to -90dBm
- Double Ethernet Interface
- IP67 Waterproof grade
- DC12-24V POE power supply
- Plug to Play installation
- Support frequency scanning tool to scan the around channel.
- Support distance setting to avoid interference in same area

Parameters

Item	Description
Hardware Parameter	
Interface	2*10/100M Ethernet port
	1*Main Ethernet port
	1*Sub Ethernet port
	POE power supply
Indicator light	Power state light
	4 grade signal strength light
	LAN light
	MODE light
Working frequency	5.125-5.850GHz
Standard	IEEE 802.a/n
RF power	Max 27dbm (500mw), Adjustable by software
Rate	Max 300Mbps
Modulation	802.11n: 2x2MIMO
	802.11a: OFDM, 6Mbps/-95dBm
	801.n MCS0: -88dBm MCS7: -73dBm
Antenna	Built-in dual polarization 18dbi antenna Horizontal: 30 degree Vertical: 30 degree
Reset	Support hardware/software reset
RAM	64MB
FLASH	8MB
Size	270*270*70mm
Weight	1.2kg
Input voltage	Wide voltage input DC 12V-24V
Power	≤8W
Waterproof grade	IP67
Working temperature	-30℃～+70℃
Saving temperature	-20℃～+80℃
Working humidity	0～100%
Software	
Working mode	Route mode: Client replaces all terminal authentication
	Bridge mode: All terminals need to be separately certified
WDS	Support
Network protocol	PPTP, L2TP, IPsec
	PPPoE

	DHCP Client/Server
	NAPT, NTP
	VLAN setting
Wireless function	Peripheral site detection/ Channel scan
	Priority AP Connection Setting Binding (BSSID)
	Channel Auto selection
Security policy	Encryption: WEP, TKIP, AES
	Wireless safety: Open system, shared key WPA/WPA-PSK, WPA2/WPA2-PSK, 802.1x(PEAP, TLS, TTLS), WAPI
Authentication function	WEB account/ password PPPOE access authentication Route mode Client replaces all terminal authentication Bridge mode All terminals need to be separately certified Multi-user prtal authentication separately Multi-user prtal authentication separately
Network protection	Firewall
	Support network rate-limiting
	MAC address visiting control
System service	Support virtual DMZ, port forwarding.
	Support UPnP Automatic port mapping
	Support VPN unvarnished transmission(PPTP, L2TP, IPSec)
Configuration Management	Based on WEB, CPE built-in WEB server
	Remote software update(HTTP)
	Support Telnet connect
	Support syslog system record
	Support SSH service
Troubleshooting	Automatically detect network status and automatically reconnect after disconnection

Appliation

SUNTOR

Forest Fire Protection

Tunnel

Construction Site

Application

Large-scale Reservoir

Dock

oil field