



高霖通訊科技有限公司
Go-Link Technology Co., Ltd.

產品規格/承認書
PRODUCT SPECIFICATION / APPROVAL SHEET

產品

Product : 2.4GHz WiFi IP Extender + RS485

型號

Model No : GLTF – IPEW01D5

客戶

Customer :

客戶型號

Customer Model No. :

		本承認書內容若貴公司確認無誤， 請於下方承認欄內簽章。 Please confirm your acceptance of this approval sheet by authorized signatures.	
		承認欄 Approved Signature	
版本 (Version)	V1.1		
日期 (Date)	2017/08/24		

Features

- Compliant with IEEE802.11b/g/n 、 IEEE802.3 、 IEEE802.3u
- Support CSMA/CA 、 CSMA/CD 、 TCP/IP 、 PPPoE 、 DHCP 、 ICMP 、 NAT protocol
- WiFi 150Mbps PHY data rate
- 20MHz / 40MHz (option) channel band width

Environmental Specification

No.	Items	Min.	Typ.	Max.	Unit.
1	Operating Temperature	-10	-	+60	°C
2	Storage Temperature	-20	-	+70	°C

Specifications

Testing Condition @ 25°C

Standard	IEEE 802.11 b/g/n 、 IEEE802.3 、 IEEE802.3u 、 CSMA/CA 、 CSMA/CD 、 TCP/IP 、 PPPoE 、 DHCP 、 ICMP 、 NAT 、 PPPoE
Ethernet	One 10/100M port
Frequency	2.400 ~ 2.483GHz
Data Rate	11n : 135 / 121.5 / 108 / 81 / 54 / 40.5 / 27 / 13.5 Mbps 65 / 58.5 / 52 / 39 / 26 / 19.5 / 13 / 6.5 Mbps 11g : 54 / 48 / 36 / 24 / 18 / 12 / 9 / 6 Mbps 11b : 11 / 5.5 / 2 / 1 Mbps
Spread spectrum	DSSS
Modulation type	OFDM (BPSK / QPSK / 16 – QAM / 64 – QAM)
Security Encryption	WPA2
WiFi Channel No.	14 Channel
Channel Setting	Bit 1 ~ Bit 4 of 7 BIT DIP Switch (See Table 1)
RS485 Baud Rate Setting	Bit 5 ~ Bit 6 of 7 BIT DIP Switch (See Table 2) Support 2400 / 4800 / 9600 / 19200 bps
AP / Station Mode Setting	Bit 7 of 7 BIT DIP Switch (See Table 3) OFF : AP Mode , ON : Station Mode
Sensitivity	-62 dBm @135Mbps / 10% PER -69 dBm @54Mbps / 10% PER -82 dBm @11Mbps / 8% PER
Transmit Power	FCC : 22 dBm CE : 14 dBm
Power Dissipation	12V, 650mA (Max.)
RF Connector Type	SMA Female
SSID	SSID = MWF2412501 : Non-Paired AP Mode MWF2412501R : Non-Paired Station Mode MWF2412501_XXXX : Paired AP Mode MWF2412501_XXXXR : Paired Station Mode (XXXX : random Number)

Channel Setting

Table 1

CH Setting - Normal Mode					
SW. BIT				CH	Frequency
1	2	3	4		
OFF	OFF	OFF	ON	3	2.422 GHz
OFF	OFF	ON	ON	4	2.427 GHz
OFF	ON	OFF	ON	5	2.432 GHz
OFF	ON	ON	ON	6	2.437 GHz
ON	OFF	OFF	ON	7	2.442 GHz
ON	OFF	ON	ON	8	2.447 GHz
ON	ON	OFF	ON	9	2.452 GHz
ON	ON	ON	ON	10	2.457 GHz



Example :
Bit 1 ~ Bit 4 of 7 BIT DIP Switch
: ON , ON , ON , ON
Channel = 10



Example :
Bit 1 ~ Bit 4 of 7 BIT DIP Switch
: OFF , ON , OFF , ON
Channel = 5

CH Setting - Test Mode (For Factory Test Only)					
SW. BIT				CH	Frequency
1	2	3	4		
OFF	OFF	OFF	OFF	14	2.484 GHz
OFF	OFF	ON	OFF	1	2.412 GHz
OFF	ON	OFF	OFF	2	2.417 GHz
OFF	ON	ON	OFF	13	2.472 GHz
ON	OFF	OFF	OFF	11	2.462 GHz
ON	OFF	ON	OFF	12	2.467 GHz
ON	ON	OFF	OFF	13	2.472 GHz
ON	ON	ON	OFF	14	2.484 GHz

Table 2 :

Baud rate Setting		
Baud rate (bps)	SW. BIT	
	5	6
2400	OFF	OFF
4800	OFF	ON
9600	ON	OFF
19200	ON	ON



Example :
Bit 5 ~ Bit6 of 7 BIT DIP Switch
: OFF , OFF
Baud rate = 2400 (bps)

Table 3 :

Mode Setting	
Mode	SW. BIT
Station	ON
AP	OFF

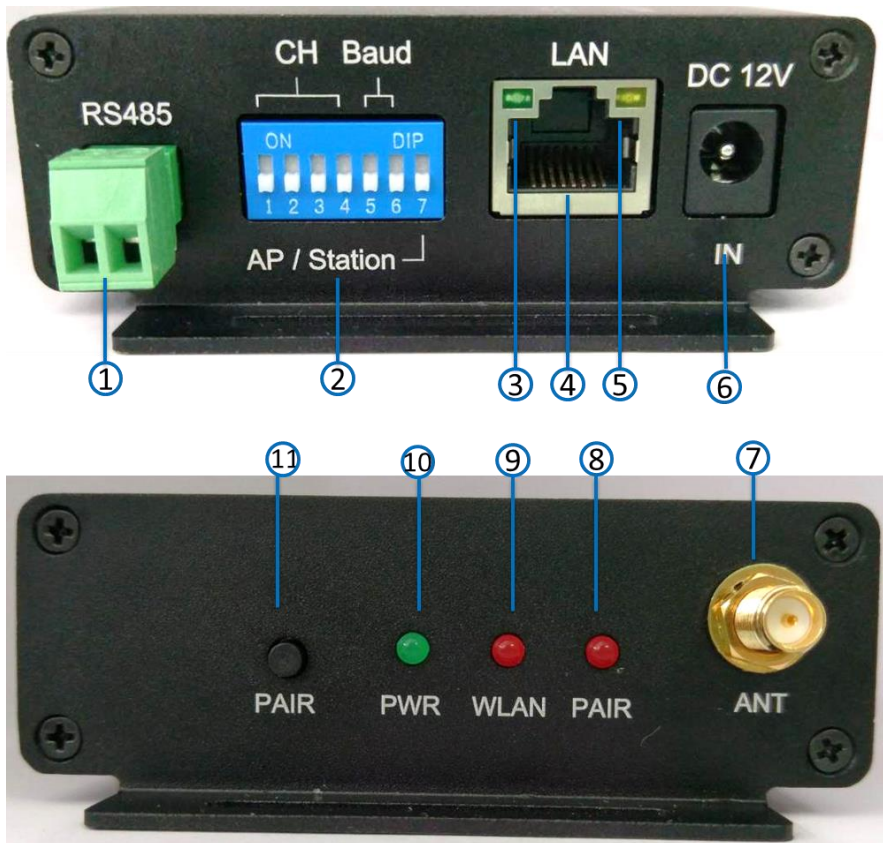


ON : Station Mode



OFF : AP Mode

User Interface



No.	Name	Function Description
1	RS485	RS485 Terminal Block
2	CH / Baud / Mode Setting	BIT 1 ~ 4 : Channel setting BIT 5 ~ 6 : Baud Rate setting BIT 7 : AP / Station setting
3	PWR LED	12 V Power LED
4	RJ45 connector	LAN Port 10/100 Base
5	LAN LED	LAN Indication LED
6	DC 12V IN	DC Power 12V IN
7	ANT	Antenna Port
8	PAIR LED	Pair Indication LED
9	WLAN	WLAN Activity LED
10	PWR LED	5V Power LED
11	Pair Key	Pairing / Reset Key 1 ~ 3 Sec. : Pairing ≥ 10Sec. : Reset (Remove Pairing)

◆ Mechanical Dimension

