



G4224Tv2 Twisted Pair Switch

Quick Start Guide

1. Package List

<p>G4224T *1</p> 	<p>Serial Cable *1</p> 
<p>Screw kit</p> 	<p>Power line</p> 
<p>Rj21 line</p> 	<p>Wall-mount kits</p> 
<p>Sync cable</p> 	<p>Grounding wire</p> 

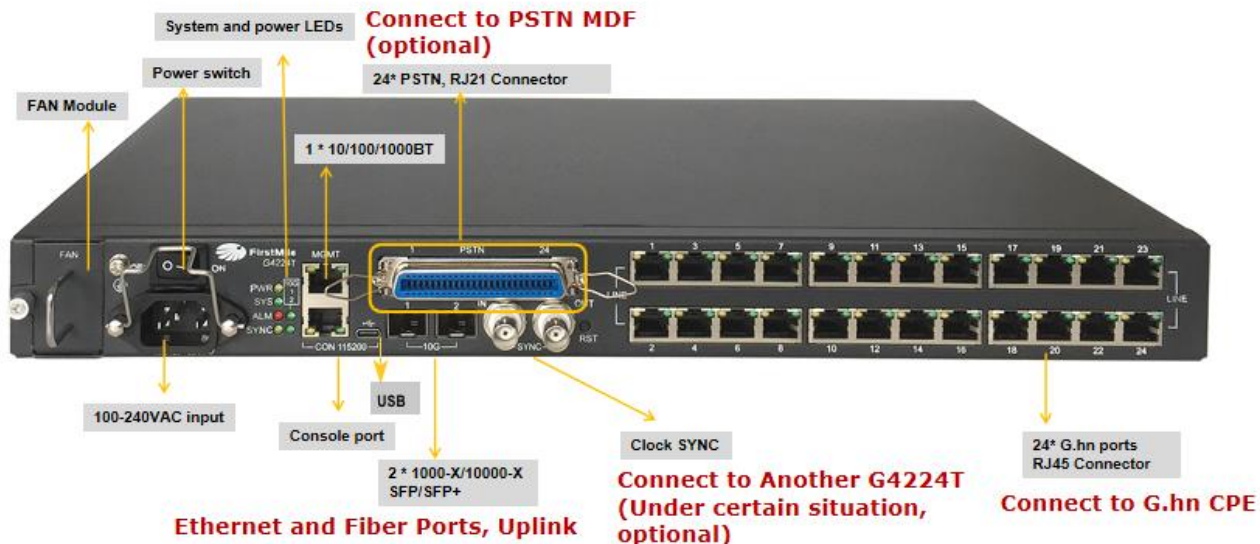
2. Hardware Introduction

2.1 Physical Dimensions

- Dimension (W*D*H): 440mm*268mm*44.5mm,19-inch rack-mount, 1U height.
- Case: Aluminum, degree of protection IP30
- Weight: 5.2Kg
- Operating temperature: 0℃ ~ 50℃
- Storage temperature: -25℃ ~ 80℃
- Humidity: 5% ~ 95% RH Non-condensing
- Consumption: No-load \cong 55W, Full-load \cong 85W

2.2 Front Panel

G4224T Front Panel Description:



2.2.1 Panel Description

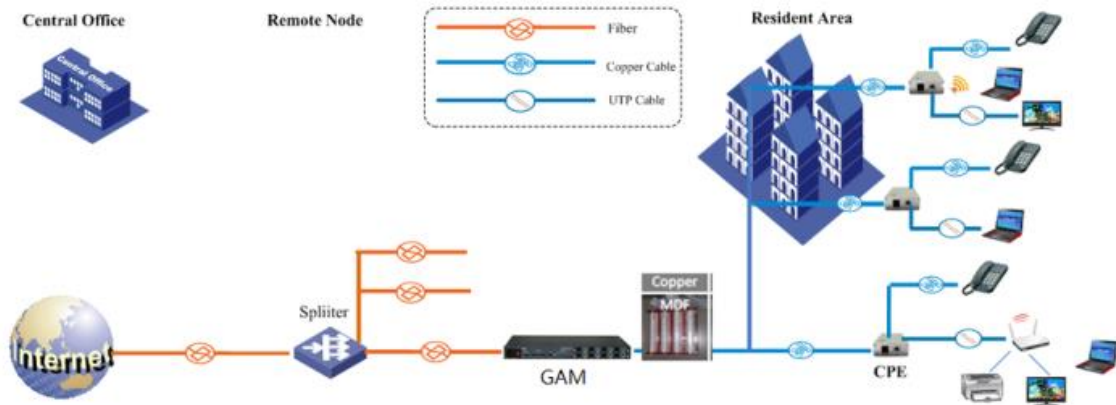
Label	Description
Ghn1-24	24 * G.hn Wave2 ports (RJ45 connector), MIMO and SISO
MGMT	1 * 10/100/1000BT RJ45 port for device management
10G 1/2	2 * 1000-X/10000-X SFP/SFP+ ports
CON 115200	1 * RJ45 connector RS232 console for connection to a computer control/administration. The RS-232 console port can be used for accessing the device CLI (command line interface) for out-of-band management.
USB	USB type-C connector for connection to a computer control/administration. The driver needs to be installed correctly
SYNC IN/OUT	2 * BNC connectors used for transmitting 50Hz SYNC clock.
POTS-24	24* PSTN Pass through ports (RJ21 connector)
ON/OFF	Power Switch, Turn on or turn off the power supply
INPUT 100~240 VAC	Connect to AC power supply:100-240VAC 50-60 Hz
GND	1 * ground screw
FAN	1 * Pluggable FAN Module
RST	1 * Reset button, press more than 10s to factory configuration

2.2.2 LED Description

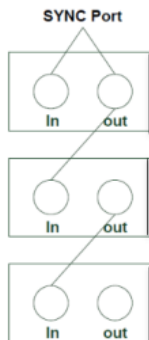
Label	Type	Color	State	Description
10G 1/2	Uplink SFP/SFP+ ports status	Green	On	Link up
			Blinking	Data is transmitting
			Off	Link down
MGMT	Management port status	Green	On	MGMT Port is link up
			Off	MGMT Port is link down or link speed is 100Mbps
		Yellow	Blinking	Data is transmitting
			Off	No data transmission
Ghn1-24	G.hn ports status	Green	On	The G.hn port connection is normal and PHY rate is high
			Off	There is no connection to this port
		Yellow	On	The G.hn port connection is normal and PHY rate is low
			Off	There is no connection to this port or the PHY rate is high and Green LED is On
PWR	Power status	Yellow	On	The power is on and supplying the current to the system
			Off	The power is off or it is not supplying the current to the system
SYS	System status	Green	On	System is started
			Off	System does not start
ALM	Alarm	Red	On	System is in alarm state, such as 50Hz sync signal is missing, or the fan is fault
			Off	The system is in normal state
SYNC	Clock sync state	Yellow	On	50Hz synchronous signal is normal
			Off	50Hz sync signal is missing


3. Application Diagram and installation instruction

3.1 Application



3.2 Sync Installation



 NOTE	<p>If there is only one G4224T, you needn't use SYNC port. But if there is more than one G4224T, just only one is the primary and the rest are secondary. SYNC signal is sent out from the master. Please power the primary and then the secondary</p>
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3.3 Chassis Installation

Step 1. Insert the screws



Step 2. Put the G4224T chassis into the 19" rack and tighten it.



 If there are more than one G4224T chassis need to be installed, please left 0.5U space between chassis to achieve better cooling effect

NOTE

Step 3. Connect the ground wire and tighten it.



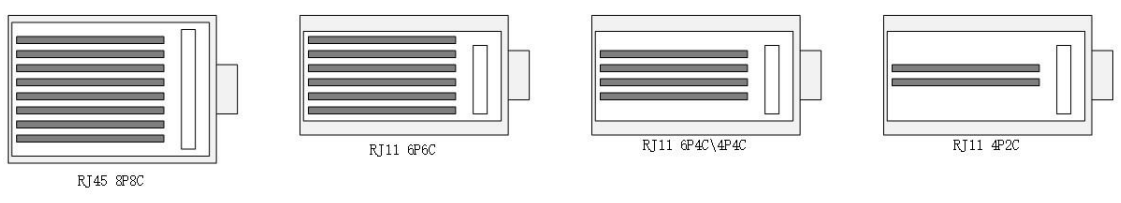
Step 4. Connect power cable, console cable and UTP cable, then power on the chassis



Step 5. Connect client devices(CPE) to the G.hn port of G4224T,if CPEs is connected, the corresponding G.hn LED will light up as below :



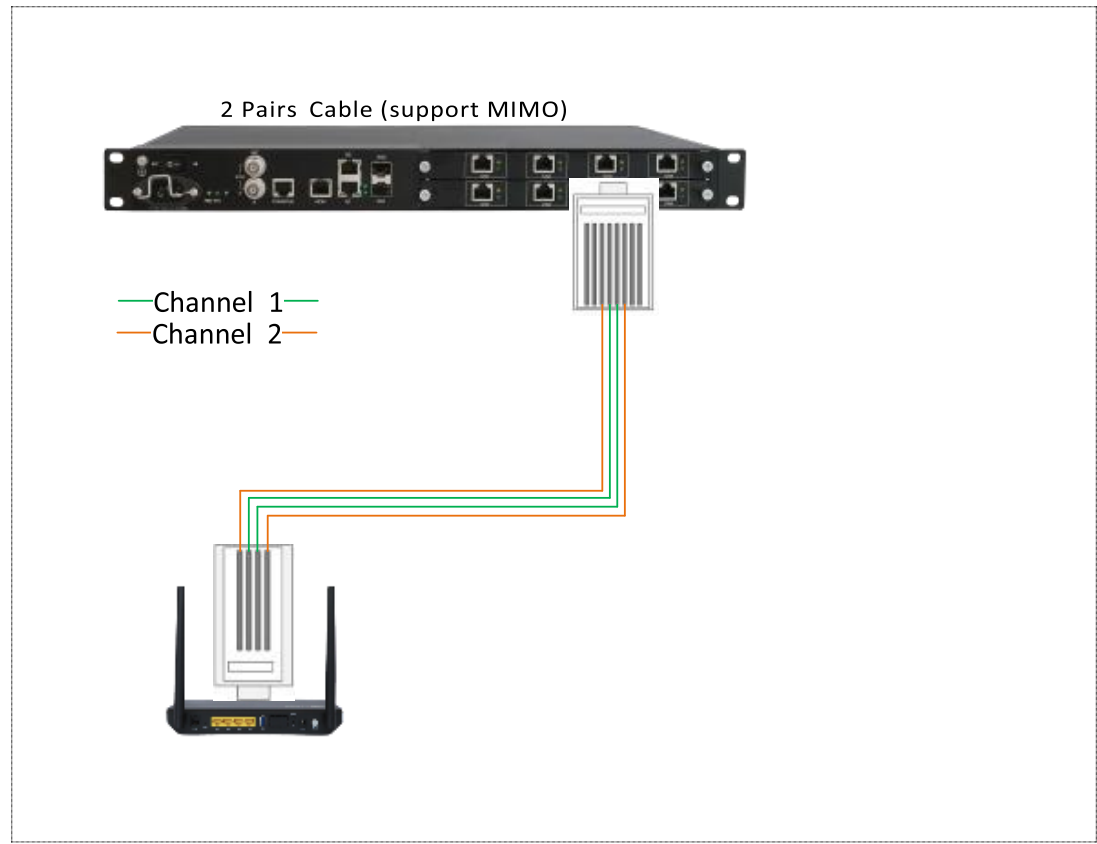
4. G.hn Cable and Connectors



Device	Supported connectors	Supported MIMO
Phone Line MDU	RJ45 8P8C RJ11 6P6C RJ11 6P4C RJ11 4P4C	Y
	RJ11 4P2C	N
Phone Line CPE	RJ11 6P6C RJ11 6P4C RJ11 4P4C	Y
	RJ11 4P2C	N

2 Pairs Cable Application

MDU needs to be configured as MIMO mode.



Single Pair Cable Application

MDU needs to be configured as SISO mode.



5. Login

5.1 Default Configuration:

Default IP Address

IP Address: 192.168.0.252

IP Sub network: 255.255.255.0

Accounts:

User name: superuser

Password: 123

5.2 Login via WEB Interface

You can browse <http://192.168.0.252> and type user name and password

Sign in

<http://192.168.0.252>

Your connection to this site is not private

Username

Password

Sign in

Cancel

6. Configure IP

You can configure IP Address from “VLAN Management >> VLAN Interface” of left menu

Vlan	Type	IPv4 IP	IPv4 Netmask	IPv4 Gateway	Operation
1	Manual	192.168.104.254	255.255.255.0	192.168.104.1	Delete

7. G4224T-RJ21 PIN Definition (Optional)

RJ21 Pin	Color	RJ21 Pin	Color	G.now port 1-24
26	Blue	1	White	1
27	Orange	2	White	2
28	Green	3	White	3
29	Brown	4	White	4
30	Gray	5	White	5
31	Blue	6	Red	6
32	Orange	7	Red	7
33	Green	8	Red	8
34	Brown	9	Red	9
35	Gray	10	Red	10
36	Blue	11	Black	11
37	Orange	12	Black	12
38	Green	13	Black	13
39	Brown	14	Black	14
40	Gray	15	Black	15
41	Blue	16	Yellow	16
42	Orange	17	Yellow	17
43	Green	18	Yellow	18
44	Brown	19	Yellow	19
45	Gray	20	Yellow	20
46	Blue	21	Purple	21
47	Orange	22	Purple	22
48	Green	23	Purple	23
49	Brown	24	Purple	24
50	Gray	25	Purple	idle