

**netis**<sup>®</sup>

*Easy Network, Trustable*

**netis**<sup>®</sup> **Y**  
**EAR**

**2017**  
**PRODUCT GUIDE**  
Wireless | xDSL | 3G/4G | Powerline  
Network Adapter | xPON | Switch



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## WLAN

Model No.	Description	
<b>Wireless N Router</b> P1-P19 ▾		
2	WF2411PS	150Mbps Wireless N Router
3	WF2411E	150Mbps Wireless N Router
3	WF2412	150Mbps Wireless N Router
3	WF2414	150Mbps Wireless N Router
3	WF2409E	300Mbps Wireless N Router
3	WF2419	300Mbps Wireless N Router
3	WF2419E/WF2419ED	300Mbps Wireless N Router
3	WF2420	300Mbps Wireless N Router
<b>Wireless N Adapter</b>		
4	WF2120	150Mbps Wireless N Nano USB Adapter
4	WF2119S	150Mbps Wireless N USB Adapter
4	WF2122	300Mbps Wireless N USB Adapter
5	WF2123	300Mbps Wireless N USB Adapter
5	WF2113	300Mbps Wireless N PCI-E Adapter
<b>11AC &amp; Dual Band</b>		
7	WF2710	AC750 Wireless Dual Band Router
7	WF2780	AC1200 Wireless Dual Band Gigabit Router
7	WF2780F	AC1200 Wireless Dual Band Gigabit Fiber Router
7	WF2880	AC1200 Wireless Dual Band Gigabit Router
7	WF2880E	AC1200 Wireless Dual Band Gigabit Router
7	WF2890	AC1900 Wireless Dual Band Gigabit Router
7	WF2895	AC2600 Wireless Dual Band Gigabit Router
7	WF2180	AC600 Wireless Dual Band USB Adapter
9	WF2190	AC1200 Wireless Dual Band USB Adapter
9	WF2166	AC1200 Wireless Dual Band PCI-E Adapter
<b>Range Extender</b>		
10	E1+	300Mbps Wireless N Range Extender
<b>Wireless N Access Point</b>		
12	A1	NANO AP
12	WF2210	150Mbps Wireless N Access Point
12	WF2220	300Mbps Wireless N Access Point
12	WF2520/WF2520P	300Mbps Wireless N High Power Ceiling-Mounted Access Point
<b>Wireless High Power</b>		
13	WF2533	300Mbps Wireless N High Power Router
14	WF2503	150Mbps Wireless N Long Range USB Adapter
14	WF2505	150Mbps Wireless N High Power USB Adapter
14	WF2561	AC1200 Wireless Dual Band High Power USB Adapter
<b>Wireless Outdoor</b>		
15	WF2322	300Mbps Wireless N High Power Outdoor AP Router
15	WF2375	AC600 Wireless Dual Band High Power Outdoor AP Router
16	WF2380	AC900 Wireless Dual Band High Power Outdoor AP Router
16	WF2385	AC1200 Wireless Dual Band High Power Outdoor AP Router
<b>Gaming Router</b>		
17	WF2631	Beacon N300 Gaming Router
17	WF2681	Beacon AC1200 Gaming Router
<b>Accessory</b>		
19	Antenna	
19	Extension Cable	

## xDSL

Model No.	Description	
<b>VDSL</b> P23-P25 ▾		
24	DL4422	300Mbps Wireless N VDSL2 Modem Router
24	DL4422V	300Mbps Wireless N VDSL2 VoIP IAD
24	DL4422U	300Mbps Wireless N VDSL2 Modem Router
24	DL4422VU	300Mbps Wireless N VDSL2 VoIP IAD
24	DL4480V	AC1200 Wireless Dual Band VDSL2 IAD Modem Router
24	DL4490V	AC1900 Wireless Dual band VDSL2 Modem Router
<b>ADSL</b>		
25	DL4201	Wired ADSL2+ Modem Router
25	DL4310/DL4310D	150Mbps Wireless N ADSL2+ Modem Router
25	DL4312/DL4312D	150Mbps Wireless N ADSL2+ Modem Router
25	DL4322D	300Mbps Wireless N ADSL2+ Modem Router
25	DL4323/DL4323D	300Mbps Wireless N ADSL2+ Modem Router
25	DL4323U	300Mbps Wireless N ADSL2+ Modem Router

## 3G / 4G

Model No.	Description	
<b>3G / 4G</b> P26 ▾		
26	MW5230	300Mbps Wireless N 3G/4G Router

## Powerline



Model No.	Description	
<b>Powerline</b> P27-P28 ▾		
28	PL7600 KIT	AV600 Powerline Adapter Kit
28	PL7622 KIT	300Mbps AV600 Wireless Powerline Adapter Kit

## xPON



Model No.	Description	
<b>xPON</b> P29-P32 ▾		
<b>EPON</b>		
30	EP8101G	1 Port Gigabit EPON Terminal
30	EP8104	4 Ports Fast Ethernet EPON Terminal
30	EP8104P	4 Ports Fast Ethernet Plus 2 POTS EPON Terminal
<b>GPON</b>		
32	GP8501G	1 Port Gigabit GPON Terminal
32	GP8501GP	1 Port Gigabit Plus 1 POTS GPON Terminal
32	GP8502P	2 Ports Fast Ethernet Plus 1 POTS GPON Terminal
32	GP8524	N300 Wireless VoIP GPON Router

## Switch



Model No.	Description	
<b>Switch</b> P33-P39 ▾		
<b>Unmanagement Switch</b>		
34	ST3105S	5 Ports Fast Ethernet Switch
34	ST3108S	8 Ports Fast Ethernet Switch
34	ST3108V	8 Ports loopback Detection Fast Ethernet Switch
34	ST3116P	16 Ports Fast Ethernet Switch
34	ST3124P	24 Ports Fast Ethernet Switch
34	ST3116	16 Ports Fast Ethernet Rackmount Switch
34	ST3124	24 Ports Fast Ethernet Rackmount Switch
35	ST3105GS	5 Ports Gigabit Ethernet Switch
35	ST3108GS	8 Ports Gigabit Ethernet Switch
35	ST3105GM	5 Ports Gigabit Ethernet Switch
35	ST3108GM	8 Ports Gigabit Ethernet Switch
35	ST3116G	16 Ports Gigabit Ethernet Rackmount Switch
35	ST3124G	24 Ports Gigabit Ethernet Rackmount Switch
<b>SNMP Switch</b>		
36	ST3310	8FE+2 Combo-Port Gigabit Ethernet SNMP Switch
36	ST3328	24FE+4 Combo-Port Gigabit Ethernet SNMP Switch
36	ST3310GF	8GE+2 SFP-Port Gigabit Ethernet SNMP Switch
36	ST3328GF	24GE+4 SFP-Port Gigabit Ethernet SNMP Switch
36	ST3528GF	24GE+4*10G SFP Ethernet SNMP Switch
36	ST3552GF	48GE+4*10G SFP Ethernet SNMP Switch
<b>PoE Switch</b>		
37	PE6105	5 Ports Fast Ethernet PoE Switch/4 Port PoE/802.3at/af
37	PE6109H	9 Ports Fast Ethernet PoE Switch/4 Port PoE/802.3at/af
37	PE6109	9 Ports Fast Ethernet PoE Switch/8 Port PoE/802.3at/af
37	PE6109G	9 Ports Gigabit Ethernet PoE Switch
37	PE6110	10 Ports Fast Ethernet PoE Switch/8 Port PoE/802.3at/af
38	PE6208H	8 Ports Fast Ethernet PoE Web Smart Switch/4 Port PoE/802.3at/af
38	PE6310GF	8GE+2 SFP-Port Gigabit Ethernet SNMP PoE Switch
38	PE6328	24FE+4 Combo-Port Gigabit Ethernet SNMP PoE Switch
38	PE6328GF	24GE+4 SFP-Port Gigabit Ethernet SNMP PoE Switch

# WLAN

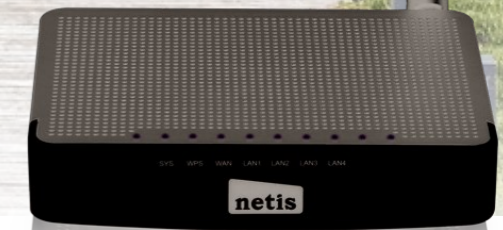
Netis Wi-Fi Router has an amazing high speed, broad coverage connection capacity and a variety of flexible functions, which offers a high performance on website surfing, emailing and file sharing for both home entertainment and business work.



## Passive PoE WAN Port

With PoE WAN port, WF2411PS supplies maximum 10W power to other PoE CPE device with one Ethernet cable, also enabling data transmission at the same time.

**WF2411PS**  
150Mbps Wireless N Router



### Common Features



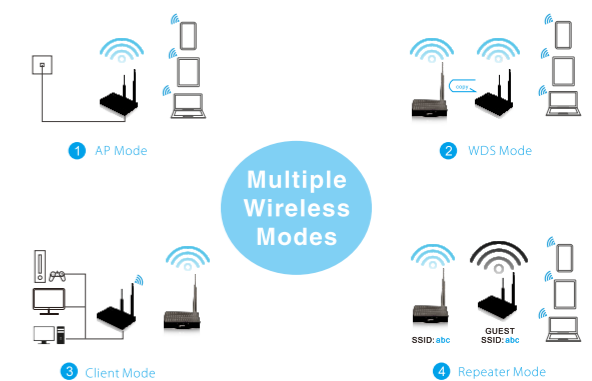
**WF2419E/WF2419ED**  
300Mbps Wireless N Router



**WF2409E**  
300Mbps Wireless N Router






### Multiple Wireless Modes







Multiple Wireless Modes

### 150Mbps Wireless N Router

Model No.	WF2411PS	WF2411E	WF2412	WF2414
Product Picture				
Description	150Mbps Wireless N Router			
Wireless Standards	802.11b/g/n	802.11b/g/n	802.11b/g/n	802.11b/g/n
Speed & Frequency	150Mbps 2.4GHz	150Mbps 2.4GHz	150Mbps 2.4GHz	150Mbps 2.4GHz
Transmission Power (MAX.)	20dBm (100mW)	20dBm (100mW)	20dBm (100mW)	20dBm (100mW)
Port	1* FE WAN + 4* FE LAN	1* FE WAN + 4* FE LAN	1* FE WAN + 4* FE LAN	1* FE WAN + 2* FE LAN
Antenna	1* 5dBi Fixed	1* 5dBi Fixed	Internal	1* 5dBi Fixed
WPS Button	✓	✓	✓	✓
Recommend	1~2 Rooms/ Repeater	1~2 Rooms/ Repeater	1~2 Rooms/ Repeater	1~2 Rooms/ Repeater
WAN	Bridge/Dual Access/WISP			
Wireless Modes	AP /Repeater/WDS/AP+WDS/Client			
Advanced Functions	Bandwidth Control/Access Control/Port Forwarding/DDNS			

### 300Mbps Wireless N Router

Model No.	WF2420	WF2419	WF2419E/WF2419ED	WF2409E
Product Picture				
Description	300Mbps Wireless N Router			
Wireless Standards	802.11b/g/n	802.11b/g/n	802.11b/g/n	802.11b/g/n
Speed & Frequency	300Mbps 2.4GHz	300Mbps 2.4GHz	300Mbps 2.4GHz	300Mbps 2.4GHz
Transmission Power (MAX.)	20dBm (100mW)	20dBm (100mW)	20dBm (100mW)	20dBm (100mW)
Port	1* FE WAN + 4* FE LAN	1* FE WAN + 4* FE LAN	1* FE WAN + 4* FE LAN	1* FE WAN + 4* FE LAN
Antenna	Internal	2* 5dBi Fixed	2* 5dBi Fixed	3* 5dBi Fixed
WPS Button	✓	✓	✓	✓
Recommend	2~3 Rooms/ High Speed Download	2~3 Rooms/ High Speed Download	2~3 Rooms/ High Speed Download	3~4 Rooms/ Large File Sharing
WAN	Bridge/Dual Access/WISP			
Wireless Modes	AP /Repeater/WDS/AP+WDS/Client			
Advanced Functions	Bandwidth Control/Access Control/Port Forwarding/DDNS			

### WPS for One-Button Setup

You can setup a secured wireless connection simply by pressing the WPS button on netis router and adapter. No need to enter long password anymore!



### WF2120 150Mbps Wireless N Nano USB Adapter



### WF2119S 150Mbps Wireless N USB Adapter



### WF2122 300Mbps Wireless N USB Adapter





**WF2123**  
300Mbps Wireless N USB Adapter



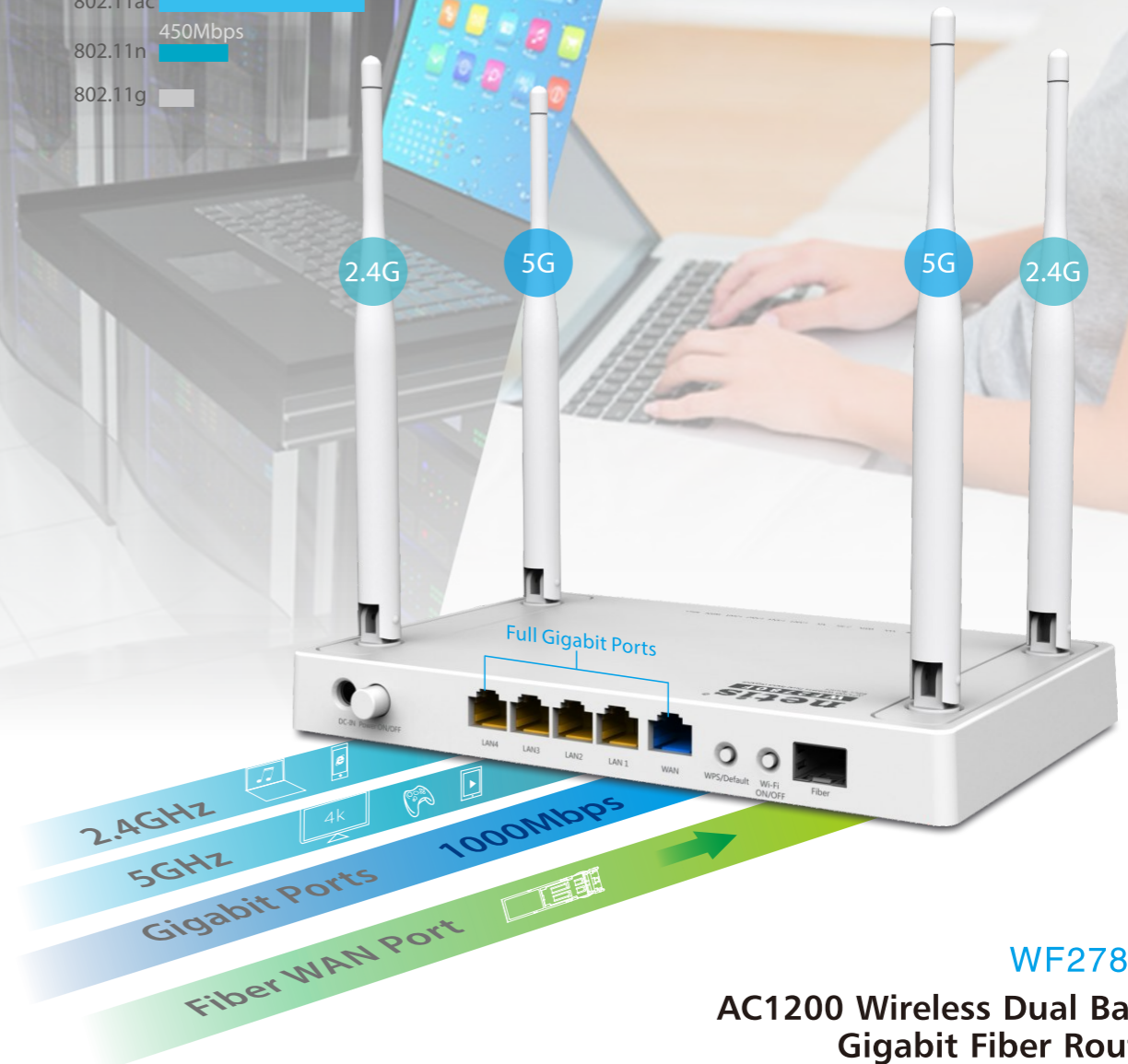
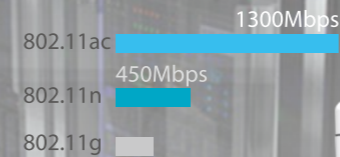
**WF2113**  
300Mbps Wireless N PCI-E Adapter



	Wireless N USB Adapter				Wireless N PCI-E Adapter
Model No.	WF2120	WF2119S	WF2122	WF2123	WF2113
Product Picture					
Description	150Mbps Wireless N USB Adapter (Nano USB Adapter for WF2120)		300Mbps Wireless N USB Adapter		300Mbps Wireless N PCI-E Adapter
Signal Rate	Up to 150Mbps	Up to 150Mbps	Up to 300Mbps	Up to 300Mbps	Up to 300Mbps
Standard	802.11b/g/n	802.11b/g/n	802.11b/g/n	802.11b/g/n	802.11b/g/n
Frequency Range	2.4-2.4835GHz	2.4-2.4835GHz	2.4-2.4835GHz	2.4-2.4835GHz	2.4-2.4835GHz
Wireless Security	Support 64/128-bit WEP, WPA-PSK /WPA2-PSK	Support 64/128-bit WEP, WPA-PSK /WPA2-PSK	Support 64/128-bit WEP, WPAPSK /WPA2-PSK	Support 64/128-bit WEP, WPA-PSK /WPA2-PSK	Support 64/128-bit WEP, WPA-PSK /WPA2-PSK
Port	USB 2.0	USB 2.0	USB 2.0	USB 2.0	PCI-E
Antenna	Build in	1 * 5dBi detachable antenna	2 * 5dBi detachable antenna	Build in	2 * 5dBi detachable antenna
Button	WPS	WPS	WPS	/	/
System Requirements	Windows (XP/Vista/7/8/8.1/10) 32/64bits, MAC10.4~10.10 Linux as Ubuntu 13.10/13.04/12.04/11.04	Windows (XP/Vista/7/8/8.1/10) 32/64bits, MAC10.4~10.10 Linux as Ubuntu 14.04/13.10/12.04/11.04	Windows (XP/Vista/7/8/8.1/10) 32/64bits, MAC10.4~10.10 Linux as Ubuntu 13.10/13.04/12.04/11.04	Windows (XP/Vista/7/8/8.1/10) 32/64bits, MAC10.4~10.10 Linux as Ubuntu 13.10/13.04/12.04/11.04	Windows (XP/Vista/7/8) 32/64bits, Linux as Ubuntu 13.10/13.04/12.04/11.04

## TR069 Remote Management

UP TO 3X Faster than 802.11n



**WF2780F**  
AC1200 Wireless Dual Band Gigabit Fiber Router

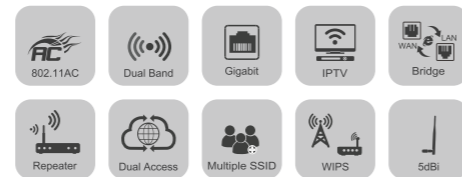




**WF2710**  
**AC750 Wireless Dual Band Router**



**WF2780**  
**AC1200 Wireless Dual Band Gigabit Router**



**WF2880E**  
**AC1200 Wireless Dual Band Gigabit Router**



**WF2890/WF2895**  
**AC1900/AC2600 Wireless Dual Band Gigabit Router**



Wireless Dual Band Router

Model No.	WF2710	WF2780	WF2780F	WF2880
Product Picture				
Description	AC750 Wireless Dual Band Router	AC1200 Wireless Dual Band Gigabit Router	AC1200 Wireless Dual Band Gigabit Fiber Router	AC1200 Wireless Dual Band Gigabit Router
Wireless Standards	802.11a/b/g/n/ac	802.11a/b/g/n/ac	802.11a/b/g/n/ac	802.11a/b/g/n/ac
Speed & Frequency	300Mbps 2.4GHz + 433Mbps 5GHz	300Mbps 2.4GHz + 867Mbps 5GHz	300Mbps 2.4GHz + 867Mbps 5GHz	300Mbps 2.4GHz + 867Mbps 5GHz
Transmission Power (MAX.)	20dBm (100mW)	20dBm (100mW)	20dBm (100mW)	20dBm (100mW)
Port	1* FE WAN + 4* FE LAN	1* GE WAN + 4* GE LAN	1* GE WAN + 4* GE LAN + 1* Fiber	1* GE WAN + 4* GE LAN + 1* USB 2.0
Antenna	3* 5dBi Fixed	4* 5dBi Fixed	4* 5dBi Fixed	4* 5dBi Fixed
WPS Button	✓	✓	✓	✓
Recommend	3~4 Rooms/Multiple Applications	4~5 Rooms/Multiple Applications	4~5 Rooms/Multiple Applications	4~5 Rooms/ USB Sharing
WAN	Bridge/Dual Access/WISP			
Wireless Modes	AP /Repeater/WDS/AP+WDS/Client			
Advanced Functions	802.1Q VLAN(IPTV)/Bandwidth Control/Access Control/Port Forwarding/DDNS			

Wireless Dual Band Router

Model No.	WF2880E	WF2890	WF2895
Product Picture			
Description	AC1200 Wireless Dual Band Gigabit Router	AC1900 Wireless Dual Band Gigabit Router	AC2600 Wireless Dual Band Gigabit Router
Wireless Standards	802.11a/b/g/n/ac	802.11a/b/g/n/ac	802.11a/b/g/n/ac
Speed & Frequency	300Mbps 2.4GHz + 867Mbps 5GHz	600Mbps 2.4GHz + 1300Mbps 5GHz	800Mbps 2.4GHz + 1733Mbps 5GHz
Transmission Power (MAX.)	20dBm (100mW)	20dBm (100mW)	20dBm (100mW)
Port	1* GE WAN + 4* GE LAN + 1* USB 2.0	1* GE WAN + 4* GE LAN + 1* USB 3.0	1* GE WAN + 4* GE LAN + 1* USB 3.0
Antenna	4* 5dBi Fixed	4* 5dBi Fixed	4* 5dBi Fixed
WPS Button	✓	✓	✓
Recommend	4~5Rooms/ USB Sharing	5~6Rooms/ USB Sharing	5~6Rooms/ USB Sharing
WAN	Bridge/Dual Access/WISP		
Wireless Modes	AP /Repeater/WDS/AP+WDS/Client		
Advanced Functions	802.1Q VLAN(IPTV)/Bandwidth Control/Access Control/Port Forwarding/DDNS		



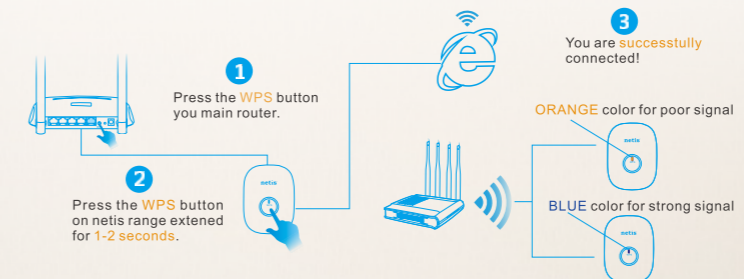
### Wireless Dual Band Adapter

Model No.	WF2180	WF2190	WF2166
Product Picture			
Description	AC600 Wireless Dual Band USB Adapter	AC1200 Wireless Dual Band USB Adapter	AC1200 Wireless Dual Band PCI-E Adapter
Signal Rate	2.4GHz Up to 150Mbps 5 GHz UP to 450Mbps	2.4GHz Up to 300Mbps 5 GHz UP to 867Mbps	2.4GHz Up to 300Mbps 5 GHz UP to 867Mbps
Frequency Range	2.4-2.4835GHz, 5.15GHz-5.825GHz	2.4-2.4835GHz, 5.15GHz-5.825GHz	2.4-2.4835GHz, 5.15GHz-5.825GHz
Wireless Security	Support 64/128-bit WEP, WPA-PSK/WPA2-PSK	Support 64/128-bit WEP, WPA-PSK/WPA2-PSK	Support 64/128-bit WEP, WPA-PSK/WPA2-PSK, 802.1X
Port	USB 2.0	USB 3.0	PCI-E
Antenna	/	2 * 5dBi detachable antenna	2* detachable external 5dBi antenna
Button	/	WPS	/
System Requirements	Windows (XP/Vista/7/8/ 8.1/10) 32/64bits, MAC 10.4~10.10 Linux as Ubuntu 14.04/13.10/12.04/11.04	Windows(XP/Vista/7/8/8.1/10) 32/64bits, MAC 10.4~10.10 Linux as Ubuntu 14.04/13.10/12.04/11.04	Windows(7/8.1/10) 32/64bits, Linux as Ubuntu 13.10/12.04/11.04

## 300Mbps Wireless N Range Extender E1+



#### EXTEND WIFI COVERAGE



#### CONVENIENT TRAVEL ROUTER

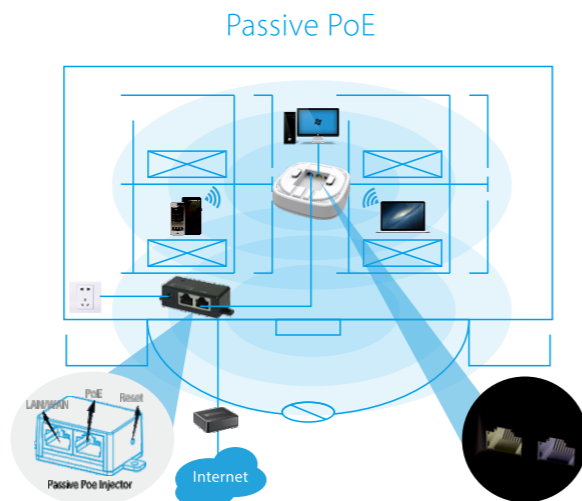




**WF2520P**  
**300Mbps Wireless N High Power Ceiling-Mounted AP With PoE**



**WF2220**  
**300Mbps Wireless N Access Point**



**A1**  
**NANO AP**



**Wireless N Access Point**

Model No.	A1	WF2210	WF2220	WF2520/WF2520P
Product Picture				
Description	NANO AP	150Mbps Wireless N Access Point	300Mbps Wireless N Access Point	300Mbps Wireless N High Power Ceiling-Mounted Access Point
Wireless Standards	802.11b/g/n	802.11b/g/n	802.11b/g/n	802.11b/g/n
Speed & Frequency	150Mbps 2.4GHz	150Mbps 2.4GHz	300Mbps 2.4GHz	300Mbps 2.4GHz
Transmission Power (MAX.)	20dBm (100mW)	23dBm (200mW)	23dBm (200mW)	30dBm (1000mW)
Port	1* USB 2.0	1* FE LAN	1* FE LAN	1* FE LAN/WAN + 1* FE LAN
Antenna	Internal	1* 5dBi Detachable	2* 5dBi Detachable	Internal
Button	/	Default, WPS, Turbo	Default, WPS, Turbo	Reset
PoE	/	Passive PoE	Passive PoE	802.3af PoE (WF2520) Passive PoE(WF2520P)
Application	Indoor, Desktop/Travel	Indoor, Desktop/Wall-Mounted	Indoor, Desktop/Wall-Mounted	Indoor, Ceiling-Mounted/Wall-Mounted
Recommend	1~2 Rooms/ Access Point	2~3 Rooms/ Access Point & Repeater	3~4 Rooms/ Access Point & Repeater	Office, Hotel, School, Airport

# Eliminate Dead Zones

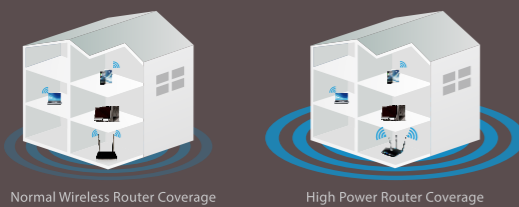


**WF2533**  
300Mbps Wireless N  
High Power Router

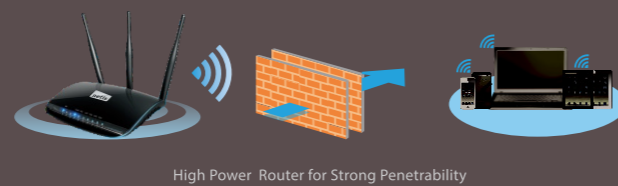


Model No.	WF2533
Product Picture	
Description	300Mbps Wireless N High Power Router
Wireless Standards	802.11b/g/n
Speed & Frequency	300Mbps 2.4GHz
Transmission Power (MAX.)	27dBm (500mW)
Port	1* FE WAN + 4* FE LAN
Antenna	3* 5dBi Detachable (Fixed for WF2533E)
Button	Default, WPS, Turbo
PoE	/
Application	Indoor, Desktop/Wall-Mounted
Recommend	2 Floors/ WISP, Repeater

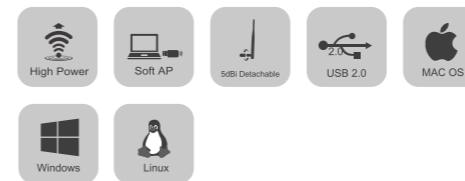
## Wide Coverage



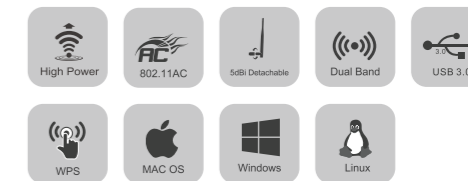
## Strong Penetrability



**WF2505**  
150Mbps Wireless N  
High Power USB Adapter



**WF2561**  
AC1200 Wireless Dual Band  
High Power USB Adapter

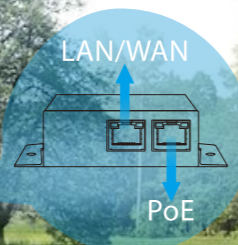


## Wireless High Power

Model No.	WF2503	WF2505	WF2561
Product Picture			
Description	150Mbps Wireless N Long Range USB Adapter	150Mbps Wireless N High Power USB Adapter	AC1200 Wireless Dual Band High Power USB Adapter
Signal Rate	Up to 150Mbps	Up to 150Mbps	Up to 300Mbps 2.4GHz Or up to 900Mbps 5GHz
Standards	802.11b/g/n	802.11b/g/n	802.11a/b/g/n/ac
Frequency Range	2.4-2.4835GHz	2.4-2.4835GHz	2.4-2.4835GHz;5.180-5.825GHz
Wireless Security	Support 64/128-bit WEP, WPA-PSK/WPA2-PSK	Support 64/128-bit WEP, WPA-PSK/WPA2-PSK	Support 64/128-bit WEP, WPA-PSK/WPA2-PSK, 802.1X
Port	USB 2.0	USB 2.0	USB 3.0
Antenna	1 * detachable external 5dBi antenna	1 * detachable external 5dBi antenna	2* detachable external 5dBi antenna
Button	WPS	WPS	WPS
System Requirements	Windows (XP/Vista/7/8)32/64bits, Linux; Mac OS;	Windows (XP/Vista/7/8/8.1/10)32/64bits, MAC 10.4~10.9 Linux as Ubuntu 12.04/11.04	Windows (XP/Vista/7/8/8.1/10) 32/64bits, MAC 10.4~10.10 Linux as Ubuntu 14.04/13.10/12.04/11.04

## Reliable Outdoor Solutions

The netis outdoor devices are equipped with weatherproof housing and built in 4000V lightning and 15KV ESD protection ability to help prevent storm/lightning surges and ensure reliable operation under extreme bad weather conditions.



Passive PoE Injector



### WF2322 300Mbps Wireless N High Power Outdoor AP Router



### WF2375 AC600 Wireless Dual Band High Power Outdoor AP Router



### WF2385 AC1200 Wireless Dual Band High Power Outdoor AP Router



#### Common Features

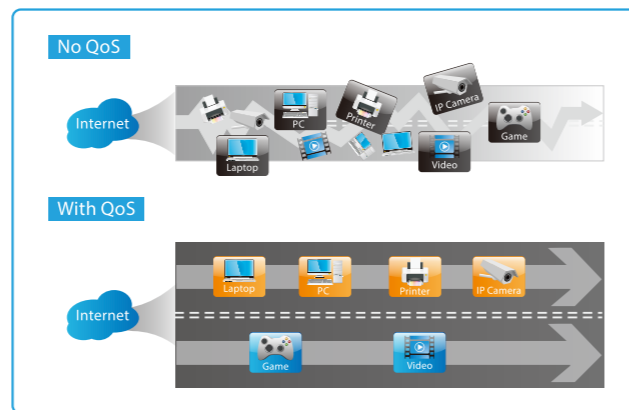


Model No.	WF2322	WF2375	WF2380	WF2385
Product Picture				
Description	300Mbps Wireless N High Power Outdoor AP Router	AC600 Wireless Dual Band High Power Outdoor AP Router	AC900 Wireless Dual Band High Power Outdoor AP Router	AC1200 Wireless Dual Band High Power Outdoor AP Router
Wireless Standards	802.11b/g/n	802.11a/b/g/n/ac	802.11a/b/g/n/ac	802.11a/b/g/n/ac
Signal Rate	300Mbps 2.4GHz	2.4GHz 150Mbps 5GHz 433Mbps	5GHz 866Mbps	2.4GHz 300Mbps 5GHz 866Mbps
Transmission Power (MAX.)	30dBm (1000mW)	30dBm (1000mW)	30dBm (1000mW)	30dBm (1000mW)
Port	1* FE LAN/WAN + 1* FE LAN	1* FE LAN/WAN + 1* FE LAN	1* GE LAN/WAN + 1* GE LAN, Standard PoE	1* GE LAN/WAN + 1* GE LAN, Standard PoE
Antenna	10dBi Internal	8dBi 2.4GHz & 11dBi 5GHz Internal	10dBi directional antenna	10dBi directional antenna
Button	Reset	Reset	Reset	Reset
PoE	Passive PoE	Passive PoE	Standard PoE	Standard PoE
Weatherproof	✓	✓	✓	✓
Application	Outdoor, Mounted	Outdoor, Mounted	Outdoor, Mounted	Outdoor, Mounted
Recommend	Outdoor/ WISP, WDS	Outdoor/ WISP, WDS	Outdoor/ WISP, WDS	Outdoor/ WISP, WDS

**WF2681**  
**Beacon AC1200**  
**Gaming Router**



**QoS**









**WF2631**  
**Beacon N300 Gaming Router**






**Gaming Router**

Model No.	WF2631	WF2681
Product Picture		
Description	Beacon N300 Gaming Router	Beacon AC1200 Gaming Router
Wireless Standards	802.11b/g/n	802.11b/g/n/ac
Speed & Frequency	300Mbps 2.4GHz	300Mbps 2.4GHz + 867Mbps 5GHz
Transmission Power (MAX.)	20dBm (100mW)	20dBm (100mW)
Port	1* FE WAN + 4* FE LAN	1* GE WAN + 4* GE LAN
Antenna	3* 5dBi Fixed	4* 5dBi Fixed
WPS Button	✓	✓
Recommend	3~4 Rooms/ Online Gaming	4~5 Rooms/ Online Gaming
WAN	Bridge/Dual Access/WISP	
Wireless Modes	AP /Repeater/WDS/AP+WDS/Client	
Advanced Functions	Bandwidth Control/Access Control/Port Forwarding/DDNS	

## Antenna

Model No.	PA105S	PA105C	PA109S	PA109C	PA109	PA115
Product Picture						
Description	2.4GHz 5dBi Indoor Omni-directional Antenna	2.4GHz 5dBi Indoor Desktop Omni-directional Antenna	2.4GHz 9dBi Indoor Omni-directional Antenna	2.4GHz 9dBi Indoor Desktop Omni-directional Antenna	N type 2.4GHz 9dBi Outdoor Omni-directional High Gain Female Antenna	2.4GHz 15dBi Outdoor Omni-directional Antenna
Impedance	50 Ohms	50 Ohms	50 Ohms	50 Ohms	50 Ohms	50 Ohms
Radiation	Omni-directional	Omni-directional	Omni-directional	Omni-directional	Omni-directional	Omni-directional
VSWR(MAX)	1.92:1	1.92:1	1.92:1	1.92:1	1.92:1	<2
Polarization	Linear, Vertical	Linear, Vertical	Linear, Vertical	Linear, Vertical	Linear, Vertical	Linear, Vertical
Extension Cable	/	Rg174, 130cm	/	Rg174, 130cm	/	/
Connector Type	RP-SMA Male	RP-SMA Male	RP-SMA Male	RP-SMA Male	N type Female	N type Female
Mounting	Desktop/ Fixed on metal surface	Wall Mount/ Desktop	Desktop/ Fixed on metal surface	Wall Mount/ Desktop	Pole Mount / Wall Mount	Pole Mount / Wall Mount

## Extension Cable

Model No.	PC050	PC300	PC500S
Product Picture			
Description	50cm Antenna Extension Cable, N-Type Male to RP-SMA Male Connector	300cm Antenna Extension Cable, N-Type Male to RP-SMA Male Connector	500cm Antenna Extension Cable, RP-SMA Male to SMA Female Connector
Frequency	DC ~ 3GHz	DC ~ 3GHz	DC ~ 3GHz
Impedance	50 Ohms	50 Ohms	50 Ohms
Insertion Loss	0.8 dB	2.9 dB	4.5 dB
VSWR(MAX)	1.5:1	1.5:1	1.5:1
Connector Type	N-Type Male to RP-SMA Male	N-Type Male to RP-SMA Male	RP-SMA Male to SMA Female

# Mode & Function

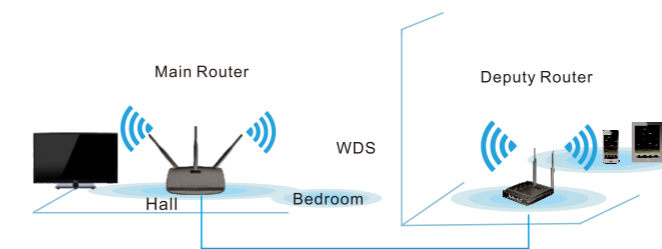
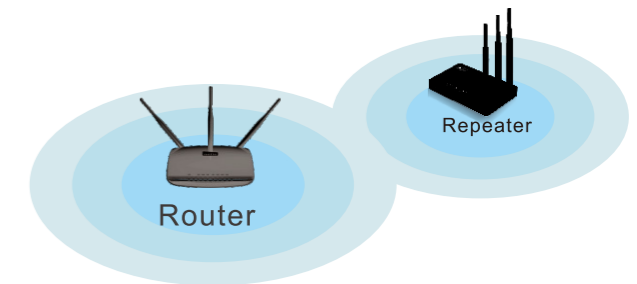


## AP

The AP mode sets up a Wi-Fi network from an existing wired (Ethernet) network so that multiple devices can share the Internet with AP.

## WDS

WDS wireless bridge provides seamless bridging to expand your wireless network. It combines users in different LANs into one work group to share documents.

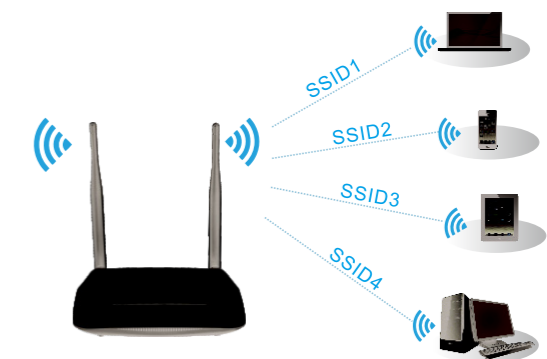


## Repeater

By repeating the signal from your home and office router, the repeater expands the wireless range to cover the deadzones and redistributes a new extended location.

## Multi-SSID

Multi-SSID supports you to enable 1+3 different wireless networks on one router to set up multiple wireless networks for family and guests.





### IPTV

IPTV function offers you a chance to enjoy an interactive network television. It provides customer a variety of interactive services including digital TV.

### Band-width Control

Band-width control function gives you the power to control reasonable bandwidth usage for each computer of your network.



### Access Control

With IP/MAC/Domain Filtering function, you can setup restricted schedules for specific users, such as denying the access to unsafe websites, or blocking Internet access during children's sleeping time.



### DDNS

Dynamic DNS (DDNS) provides a persistent addressing method for remote access for your local devices, such as router, IP camera, FTP server etc.

# xDSL

Netis DSL Modern Router is designed to provide an one-stop solution for acquiring and sharing Internet access at ultra-fast speeds over wired/wireless network, which is ideal for faster downloading, online gaming, Internet calling and HD video streaming.



**DL4422V**  
**300Mbps Wireless N VDSL2**  
**VoIP IAD**



**DL4490V**  
**AC1900 Wireless Dual band**  
**VDSL2 Modem Router**



5G 2.4G  
**DL4480V**  
**AC1200 Wireless Dual Band**  
**VDSL2 IAD Modem Router**



VDSL

Model No.	DL4422	DL4422V	DL4480V
Product Picture			
Description	300Mbps Wireless N VDSL2 Modem Router	300Mbps Wireless N VDSL2 VoIP IAD	AC1200 Wireless N Dual Band VDSL2 IAD Modem Router
Wireless Standards	802.11b/g/n	802.11b/g/n	802.11b/g/n/ac
Speed & Frequency	Up to 300Mbps,2.4G	Up to 300Mbps,2.4G	2.4GHz 300Mbps 5GHz 866Mbps
Transmission Power (MAX.)	20dBm	20dBm	20dBm
Port	1* RJ11 Phone Port, 4* 10/100Mbps Auto MDI/MDIX RJ45 LAN Port (Optional Ethernet WAN for LAN4)	1 * RJ11 Port for DSL 1 * RJ11 (FXS port) for VoIP Phone calls 1 * Gigabit Ethernet port for WAN 4* 10/100Mbps Auto MDI/MDIX RJ45 LAN Port	1 * RJ11 Port for DSL 2 * RJ11 (FXS port) for VoIP Phone calls 1 * Gigabit Ethernet port for WAN 4 * 10/100/1000Mbps Auto MDI/MDIX RJ45 LAN Port 2 * USB 2.0 connector
Antenna	2* 5dBi Fixed Antenna	2* 5dBi Fixed Antenna	4* 5dBi Internal Antenna
Button	WPS, RESET, Power ON/OFF	WPS, Reset, Power ON/OFF	WPS, Reset, Power ON/OFF
WPS Button	✓	✓	✓
Recommend	3~4 Rooms	3~4 Rooms	5~6 Rooms
WAN	ATM/PTM/Ethernet	ATM/PTM/Ethernet/3G/LTE	
Advanced Functions	Bandwidth Control/Access Control/Port Forwarding/DDNS		

Model No.	DL4422U	DL4422UV	DL4490V
Product Picture			
Description	300Mbps Wireless N VDSL2 Modem Router	300Mbps Wireless N VDSL2 VoIP IAD	AC1900 Wireless Dual band VDSL2 Modem Router
Wireless Standards	802.11b/g/n	802.11b/g/n	802.11b/g/n/ac
Speed & Frequency	Up to 300Mbps,2.4G	Up to 300Mbps,2.4G	2.4GHz 600Mbps 5GHz 866Mbps
Transmission Power (MAX.)	20dBm	20dBm	20dBm
Port	1* RJ11 Phone Port, 4* 10/100Mbps Auto MDI/MDIX RJ45 LAN Port (Optional Ethernet WAN for LAN4) 1 * USB 2.0 connector	1 * RJ11 Port for DSL 1 * RJ11 (FXS port) for VoIP Phone calls 1 * Gigabit Ethernet port for WAN 4* 10/100Mbps Auto MDI/MDIX RJ45 LAN Port 1 * USB 2.0 connector	1 * RJ11 Port for DSL 2 * RJ11 (FXS port) for VoIP Phone calls 1 * Gigabit Ethernet port for WAN 4 * 10/100/1000Mbps Auto MDI/MDIX RJ45 LAN Port 2 * USB 2.0 connector
Antenna	2* 5dBi Fixed Antenna	2* 5dBi Fixed Antenna	4* 5dBi Internal Antenna
Button	WPS, RESET, Power ON/OFF	WPS, Reset, Power ON/OFF	WPS, Reset, wifi ON/OFF,Power ON/OFF
WPS Button	✓	✓	✓
Recommend	3~4 Rooms	4~5 Rooms	5~6 Rooms
WAN	ATM/PTM/Ethernet/3G/LTE		
Advanced Functions	Bandwidth Control/Access Control/Port Forwarding/DDNS		

## Enjoyable IPTV Experience



DL4201  
Wired ADSL2+ Modem Router

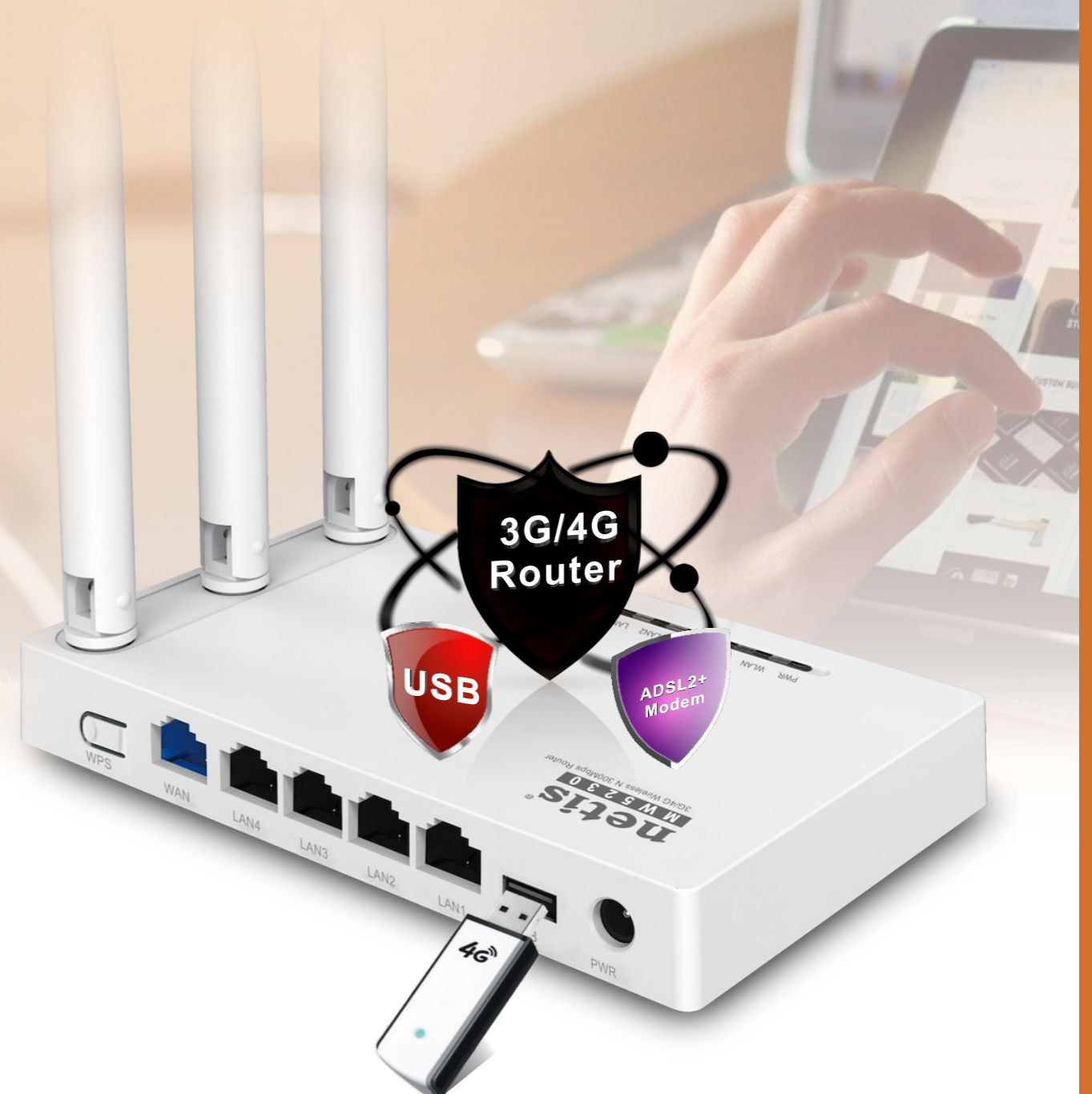


### ADSL

Model No.	DL4310/DL4310D	DL4312/DL4312D	DL4322D	DL4323/DL4323D	DL4323U
Product Picture					
Description	150Mbps Wireless N ADSL2+ Modem Router		300Mbps Wireless N ADSL2+ Modem Router		
Wireless Standards	802.11b/g/n	802.11b/g/n	802.11b/g/n	802.11b/g/n	802.11b/g/n
Speed & Frequency	Up to 150Mbps,2.4G	Up to 150Mbps,2.4G	Up to 300Mbps,2.4G	Up to 300Mbps,2.4G	Up to 300Mbps,2.4G
Transmission Power (MAX.)	20dBm	20dBm	20dBm	20dBm	20dBm
Port	1 * RJ11 ADSL Port, 1 * 10/100Mbps Auto MDI/MDIX RJ45 LAN Port	1 * RJ11 ADSL Port, 4 * 10/100Mbps Auto MDI/MDIX RJ45 LAN Port		1 * RJ11 ADSL Port, 4 * 10/100Mbps Auto MDI/MDIX RJ45 LAN Port 1 * USB 2.0 Port	
Antenna	1 * 5dBi Antenna (Detachable for DL4310D)	1 * 5dBi Antenna (Detachable for DL4312D)	2 * 5dBi Detachable Antenna	2 * 5dBi Antenna (Detachable for DL4323D)	2 * 5dBi Fixed Antenna
Button	WPS, Default, Power ON/OFF	WPS, Default, Power ON/OFF	WPS, Default, Power ON/OFF	WPS, Default, Power ON/OFF	WPS, Default, Power ON/OFF
WPS Button	✓	✓	✓	✓	✓
Recommend	1~2Rooms	1~2Rooms	2~3Rooms	2~3Rooms	2~3Rooms
WAN	ATM/Ethernet			ATM/Ethernet/3G/LTE	
Advanced Functions	Bandwidth Control/Access Control/Port Forwarding/DDNS				

## MW5230

### 3G/4G Wireless N 300Mbps Router



## Plug & Play

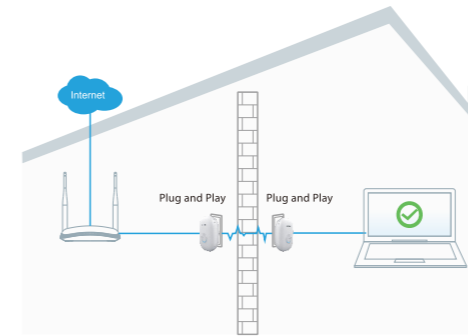
You can set up a stable Powerline connection within seconds with PL7622 Kit, just plug in and play, no configuration required.



ROOM2



ROOM1



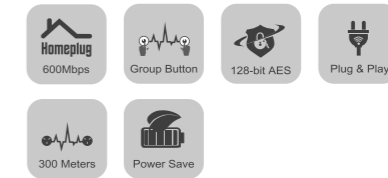
### HomePlug AV Standard

Compliant with HomePlug AV standard, deliver up to 600Mbps data transfer rate over electrical wires, ideal for HD video streaming.



PL7600KIT  
**AV600 Powerline Adapter Kit**

### Common Features



PL7622KIT  
**300Mbps AV600 Wireless Powerline Adapter Kit**



### Powerline

Model No.	PL7600 Kit	PL7622 Kit
Product Picture		
Description	AV600 Powerline Adapter Kit	300Mbps AV600 Wireless Powerline Adapter Kit
Wireless Standards	HomePlug AV, IEEE 802.3, IEEE 802.3u	HomePlug AV, IEEE 802.3, IEEE 802.3u
AV speed	600Mbps	600Mbps
Wireless Speed & Frequency	/	2.4GHz 300Mbps
Port	1* FE LAN	2* FE LAN for wireless unit 1* FE LAN for wired unit
Recommend	1~2Rooms	1~2Rooms

# xPON

Netis PON Terminal is equipped with the highly estimated broadband technology, will bring great security and convenience for network management, which is completely ideal for home and small business applications.



## EP8101G 1 Port Gigabit EPON Terminal

- 1\* SFF/SC PON port, 1\* 10/100/1000Mbps auto-negotiation and auto-MDI/MDIX RJ45 LAN port



## EP81014 4 Ports Fast Ethernet EPON Terminal

- 1\* SFF/SC PON port, 4\* 10/100Mbps auto-negotiation and auto-MDI/MDIX RJ45 LAN ports



## EP81014P 4 Ports Fast Ethernet Plus 2 POTS EPON Terminal

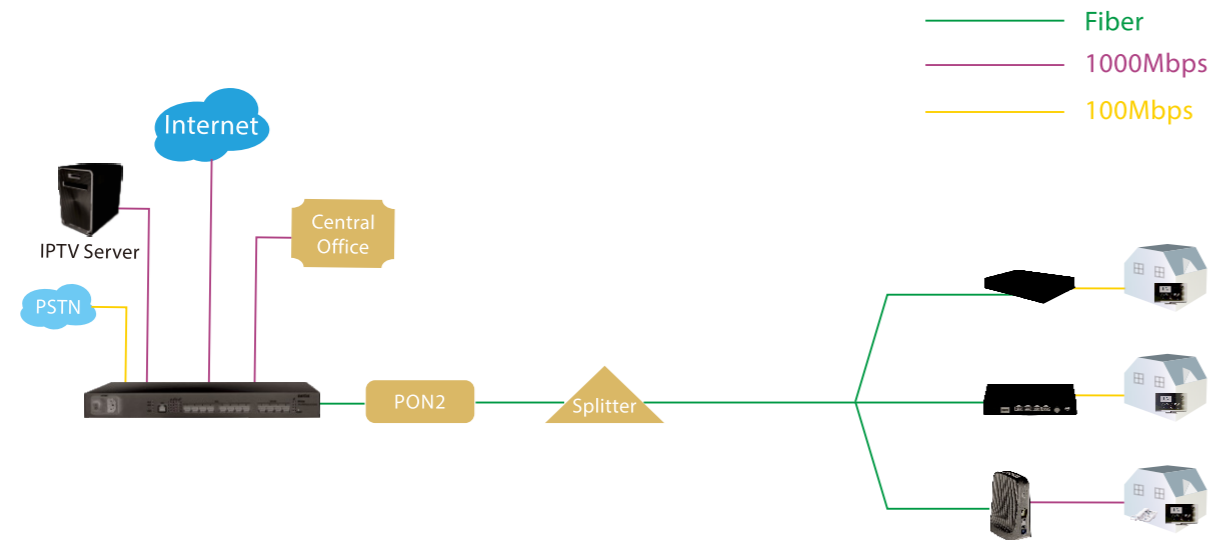
- 1\* SFF/SC PON port, 2\* RJ11 phone ports, 4\* 10/100Mbps auto-negotiation and auto-MDI/MDIX RJ45 LAN ports
- Complies with SIP or H.248 standard\*, allowing for convenient phone calls over the Internet
- Remote management based on TR069 protocol

### Common Features

- Complies with IEEE 802.3ah & CTC 2.1
- IEEE 802.3ah compliant EPON ONU device
- Up to 1.25Gbps for upstream/ downstream speed
- Maximum transfer distance up to 20Km
- Automatic discovery and authorization, plug and play
- Bi-directional AES-128 encryption
- Customized Quality of Service for assured SLA
- IEEE 802.1p priority (SP/WRR/SP+WRR)
- Advanced Layer2 switching features, IGMP Snooping, IEEE 802.1q VLAN, STP, Rate Limitation, MAC Address management
- Supports Dying Gasp function
- Remote management based on OAM, Local management through Web-based GUI

## EPON Solution

1.25Gbps up and down steam PON transmission rate, ensuring the maximum bandwidth for long-distant voice, Internet, as well as HD video services.

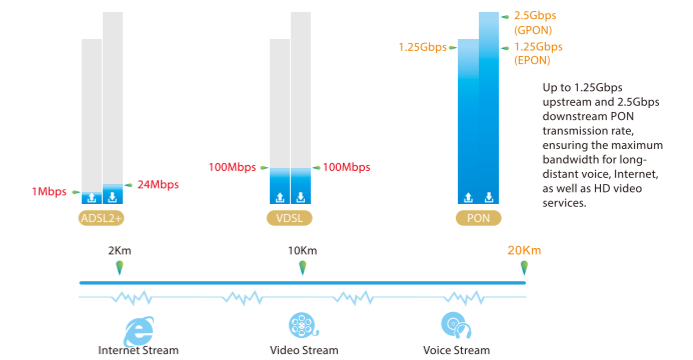


## EPON

Model No.	EP8101G	EP8104	EP8104P
Product Picture			
Description	1 Port Gigabit EPON Terminal	4 Ports Fast Ethernet EPON Terminal	4 Ports Fast Ethernet Plus 2 POTS EPON Terminal
Interface	1 * SFF/SC PON port 1 * 10/100/1000Mbps auto-negotiation and MDI/MDIX RJ45 LAN port	1 * SFF/SC PON port 4 * 10/100Mbps auto-negotiation and MDI/MDIX RJ45 LAN port	1 * SFF/SC PON port 4 * 10/100Mbps auto-negotiation and MDI/MDIX RJ45 LAN port 2 * RJ11 port
Data Rate	Upstream 1.25Gbps Downstream 1.25Gbps	Upstream 1.25Gbps Downstream 1.25Gbps	Upstream 1.25Gbps Downstream 1.25Gbps
Distance	0-20KM	0-20KM	0-20KM
Splitting Ratio	1:32(20KM) 1:64(10KM)	1:32(20KM) 1:64(10KM)	1:32(20KM) 1:64(10KM)
Optical Power	-1~+4dBm	-1~+4dBm	-1~+4dBm
Receive Sensitive	-25.5dBm	-25.5dBm	-25.5dBm
LED	LAN PON LOS PWR	LAN4-LAN1LOS PON PWR	LAN4-LAN1LOS PON PWR
Button	Power on/off Default	Power on/off Default	Power on/off Default
Power Adapter	External 9V/500mA	External 12V/1A	External 12V/1A
Power consumption	<5W (MAX)	<10W (MAX)	<20W (MAX)
Dimension (L x W x H)	115 x 88 x 48.5mm	143 x 87 x 29mm	171 x 112 x 22mm

## Common Features

- Complies with ITU-T G.984.2 CLASS B+
- Up to 1.25Gbps for upstream and 2.5Gbps for downstream speed
- Maximum transfer distance up to 20Km
- Multiple traffic mapping modes supported
- IGMP V2&V3 Snooping, IGMP proxy
- Support VLAN filtering & VLAN transparent transmission, VLAN N:1 aggregation and VLAN 1:1 translation
- Local management through Web-based GUI and efficient remote management function



## GPON

Model No.	GP8501G	GP8501GP	GP8502P	GP8524
Product Picture				
Description	1 Port Gigabit GPON Terminal	1 Port Gigabit Plus 1 POTS GPON Terminal	2 Ports Fast Ethernet Plus 1 POTS GPON Terminal	N300 Wireless VoIP GPON Router
Interface	1 * SC/APC GPON port 1 * 10/100/1000Mbps auto-negotiation and MDI/MDIX RJ45 LAN port	1 * SC/APC GPON port 1 * RJ11 Phone port 1 * 10/100/1000Mbps auto-negotiation and MDI/MDIX RJ45 LAN port	1 * SC/APC GPON port 1 * RJ11 Phone port 2 * 10/100Mbps Auto-negotiation and MDI/MDIX RJ45 LAN port	1 * SC/APC GPON port 3 * RJ-45 10/100Mbps+1 * RJ45 10/100/1000Mbps Autonegotiation and MDI/MDIX RJ45 LAN ports 1 * RJ11 Phone port 1 * USB 2.0 port
Data Rate	Upstream 1.25Gbps Downstream 2.5Gbps	Upstream 1.25Gbps Downstream 2.5Gbps	Upstream 1.25Gbps Downstream 2.5Gbps	Upstream 1.25Gbps Downstream 2.5Gbps
Distance	0-20KM	0-20KM	0-20KM	0-20KM
Center Wavelength	Tx: 1310 nm Rx: 1490 nm	Tx: 1310 nm Rx: 1490 nm	Tx: 1310 nm Rx: 1490 nm	Tx: 1310 nm Rx: 1490 nm
Extinction Ratio	> 10 dB	> 10 dB	> 10 dB	> 10 dB
Optical Power	Tx optical power: 0.5~5.0dBm Maximum overload optical power: -8dBm	Tx optical power: 0.5~5.0dBm Maximum overload optical power: -8dBm	Tx optical power: 0.5~5.0dBm Maximum overload optical power: -8dBm	Tx optical power: 0.5~5.0dBm Maximum overload optical power: -8dBm
Receive Sensitive	-27dBm	-27dBm	-27dBm	-27dBm
Power Adapter	DC 12V/1A	DC 12V/1A	DC 12V/1A	DC 12V/1A
Power consumption	<12W (MAX)	<12W (MAX)	<12W (MAX)	<12W (MAX)
Dimension (L x W x H)	145 x 90 x 28mm	145 x 90 x 28mm	145 x 90 x 28mm	173 x 185 x 71mm

# Switch

Netis SWITCH is designed to provide a reliable security and stability for expanding business network. A variety of netis switches are available to offer a great selection for businesses of all sizes, which are ideal choices for manage business networks efficiently within reasonable cost.

## Common Features

### Standards

- IEEE 802.3, IEEE 802.3u, IEEE 802.3x

### Port Features

- Auto Negotiation and Auto MDI/MDIX

### Switching Features

- Store and Forward Switching Method
- Full Duplex Flow Control and Half Duplex Backpressure
- MAC Address Auto-Learning and Auto-Aging
- LED indicators for simple diagnostics and management





### Management

- Plug and Play

### Other

- Green Ethernet/Power Saving

## 100Mbps Unmanagement Switch

Model No.	ST3105S	ST3108S	ST3108V	ST3116P	ST3124P	ST3116	ST3124
Product Picture							
Description	5 Ports Fast Ethernet Switch	8 Ports Fast Ethernet Switch	8 Ports loopback Detection Fast Ethernet Switch	16 Ports Fast Ethernet Switch	24 Ports Fast Ethernet Switch	16 Ports Fast Ethernet Rackmount Switch	24 Ports Fast Ethernet Rackmount Switch
10/100Mbps RJ45 Port	5	8	8	16	24	16	24
Switching Fabric Capacity	1G	1.6G	1.6G	3.2G	4.8G	3.2G	4.8G
MAC Address Table	2K	1K	2K	8K	8K	8K	8K
Jumbo Frame	/	/	/	2KB	2KB	2KB	2KB
Power Supply	DC5V/800mA	DC 5V/800mA	9V/500mA	DC 9V/500mA	DC 12V/1A	AC 100-240V	AC 100-240V
Housing	Plastic Desktop	Plastic Desktop	Steel Rackmount	Plastic Desktop	Plastic Desktop	Steel Rackmount	Steel Rackmount
Dimension (L x W x H)	98 x 56 x 21 mm	130 x 56 x 21 mm	140 x 76.6 x 27.5mm	140 x 133.3 x 42 mm	310 x 200 x 70 mm	440 x 200 x 44 mm	440 x 200 x 44 mm

### Common Features

#### Standards

- IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3x

#### Port Features

- Auto Negotiation and Auto MDI/MDIX

#### Switching Features

- Store and Forward Switching Method
- Full Duplex Flow Control and Half Duplex Backpressure
- MAC Address Auto-Learning and Auto-Aging
- LED indicators for simple diagnostics and management

#### Management

- Plug and Play

#### Other

- Green Ethernet/Power Saving

### 1000Mbps Unmanagement Switch

Model No.	ST3105GS	ST3108GS	ST3105GM	ST3108GM	ST3116G	ST3124G
Product Picture						
Description	5 Ports Gigabit Ethernet Switch	8 Ports Gigabit Ethernet Switch	5 Ports Gigabit Ethernet Switch	8 Ports Gigabit Ethernet Switch	16 Ports Gigabit Ethernet Rackmount Switch	24 Ports Gigabit Ethernet Rackmount Switch
10/100/1000Mbps RJ45 Port	5	8	5	8	16	24
Switching Fabric Capacity	10G	16G	10G	16G	32G	48G
MAC Address Table	2K	8K	2K	8K	8K	8K
Jumbo Frame	9KB	9KB	9KB	9KB	9KB	9KB
Power Supply	DC 9V/500mA	DC 9V/500mA	DC 9V/500mA	DC 5V/2A	AC 100-240V	AC 100-240V
Housing	Plastic Desktop	Plastic Desktop	Steel Desktop	Steel Desktop	Steel Rackmount	Steel Rackmount
Dimension (L x W x H)	130 x 70 x 26mm	130 x 70 x 26mm	150 x 100 x 30 mm	150 x 100 x 30 mm	440 x 200 x 44 mm	440 x 200 x 44 mm

### Common Features

#### Standards

- IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3ae, IEEE 802.3z, IEEE 802.3x, IEEE 802.3ad,
- IEEE 802.1p, IEEE 802.1q, IEEE 802.1d, IEEE 802.1w, IEEE 802.1s, IEEE 802.1x

#### Layer 2 Features

- IEEE 802.1q Tag-based VLAN
- Multicast VLAN Registration (MVR)
- GARP VLAN Registration Protocol
- IGMP Snooping V1/V2/V3
- Link Aggregation (LACP)
- STP/RSTP/MSTP
- Port Mirroring (One to One, Many to One)

#### Quality of Service

- 8 Priority Queues
- Strict Priority (SP)
- Weighted Round Robin (WRR)
- SP+WRR CoS Policies
- Traffic-Policing Policies

#### Security Strategies

- IEEE 802.1x Port-Based Authentication
- MAC-Based Authentication
- RADIUS/ TACACS + Users Access Authentication
- Access Control List (ACL)
- Dynamic ARP Inspection
- MAC Binding
- Broadcast Storm Control

#### Other Functions

- IEEE 802.3x PAUSE frame Flow Control, Full-Duplex mode
- Back-Pressure Flow Control, Half-Duplex mode
- DHCP Snooping/DHCP Relay/DHCP option 82
- Flow Mirroring
- Link Layer Discovery Protocol (LLDP)
- Device Link Detection Protocol (DLDP)

#### Management

- Web-based GUI
- Console/ Telnet Command Line Interface
- SNMP v1/v2c/v3,
- SSH v1/v2

### SNMP Switch

	100Mbps SNMP Switch		1000Mbps SNMP Switch		10G SNMP Switch	
Model No.	ST3310	ST3328	ST3310GF	ST3328GF	ST3528GF	ST3552GF
Product Picture						
Description	8FE+2 Combo-Port Gigabit Ethernet SNMP Switch	24FE+4 Combo-Port Gigabit Ethernet SNMP Switch	8GE+2 SFP-Port Gigabit Ethernet SNMP Switch	24GE+4 SFP-Port Gigabit Ethernet SNMP Switch	24GE+4*10G SFP Ethernet SNMP Switch	48GE+4*10G SFP Ethernet SNMP Layer 3 Switch
10/100Mbps RJ45 Port	8	24	/	/	/	/
10/100/1000Mbps RJ45 Port	2	4	8	24	24	48
Gigabit SFP Port	2	4	2	4	/	/
10G SFP+ Port	/	/	/	/	4	4
Console Port	1	1	1	1	1	1
Switching Fabric Capacity	5.6G	12.8G	20G	56G	128G	176G
MAC Address Table	8K	8K	8K	8K	16K	16K
Jumbo Frame	10KB	10KB	10KB	10KB	1.5MB	1.5MB
Power Supply	AC 100-240V	AC 100-240V	AC 100-240V	AC 100-240V	AC 100-240V	AC 100-240V
Housing	Steel Desktop	Steel Rackmount	Steel Desktop	Steel Rackmount	Steel Rackmount	Steel Rackmount
Dimension (L x W x H)	280 x 173 x 44 mm	430 x 249 x 44 mm	280 x 173 x 44 mm	430 x 249 x 44 mm	430 x 249 x 44 mm	442 x 280 x 43.6 mm

## Common Features

### Standards

- IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3af, IEEE 802.3at (except PE6108, PE6108H), IEEE 802.3x

### Port Features

- Auto Negotiation and Auto MDI/MDIX

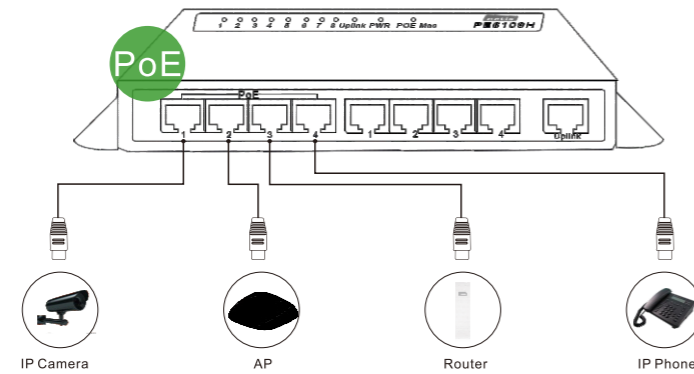
### Switching Features

- Store and Forward Switching Method
- Full Duplex Flow Control and Half Duplex Backpressure
- MAC Address Auto-Learning and Auto-Aging

### Management

- Plug and Play

## PoE Application



## PoE Switch

Model No.	PE6105	PE6109H	PE6109	PE6109G	PE6110
Product Picture					
Description	5 Ports Fast Ethernet PoE Switch/4 Ports PoE	9 Ports Fast Ethernet PoE Switch/4 Ports PoE	9 Ports Fast Ethernet PoE Switch/8 Ports PoE	9 Ports Gigabit Ethernet PoE Switch	10 Ports Fast Ethernet PoE Switch/8 Ports PoE
10/100Mbps RJ45 Port	5	9	9	/	10
10/100/1000Mbps RJ45 Port	/	/	/	9	/
PoE Port	4	4	8	8	8
Switching Fabric Capacity	1G	1.8G	1.8G	18G	2G
MAC Address Table	2K	2K	2K	8K	8K
Jumbo Frame	/	/	/	9KB	2KB
PoE Standard	IEEE 802.3at/af	IEEE 802.3at/af	IEEE 802.3at/af	IEEE 802.3at/af	IEEE 802.3at/af
Power Consumption	Maximum (PoE on): 60W	Maximum (PoE on): 60W	Maximum (PoE on): 120W	Maximum (PoE on): 120W	Maximum (PoE on): 140W
Power Supply	DC 48V/1.25A	DC 48V/1.25A	DC 48V/1.25A	DC 48V/1.25A	AC 100-240V
Dimension (L x W x H)	100 x 100 x 26mm	190 x 100 x 32mm	190 x 100 x 32mm	190 x 100 x 32mm	440 x 200 x 44 mm

## Common Features

### Standards

- IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3af, IEEE 802.3at, IEEE 802.3z, IEEE 802.3x, IEEE 802.3ad, IEEE 802.1p, IEEE 802.1q, IEEE 802.1d, IEEE 802.1w, IEEE 802.1s, IEEE 802.1x

### PoE Management

- Total PoE Power Budget Control
- Per Port PoE Function Enable/Disable
- PoE Port Power Feeding Priority
- Per PoE Port Power Limit
- PD Classification Detection

### Management

- Web-based GUI
- Console/ Telnet Command Line Interface
- SNMP v1/v2c/v3,
- SSH v1/v2

### Layer 2 Features

- IEEE 802.1q Tag-based VLAN/ Port VLAN
- Multicast VLAN Registration (MVR)
- GARP VLAN Registration Protocol
- IGMP Snooping V1/V2/V3
- Link Aggregation (LACP)
- STP/RSTP/MSTP
- Port Mirroring (One to One, Many to One)

### Security Strategies

- IEEE 802.1x Port-Based Authentication
- MAC-Based Authentication
- RADIUS/ TACACS + Users Access Authentication
- Access Control List (ACL)
- Dynamic ARP Inspection
- MAC Binding
- Broadcast Storm Control

### Quality of Service

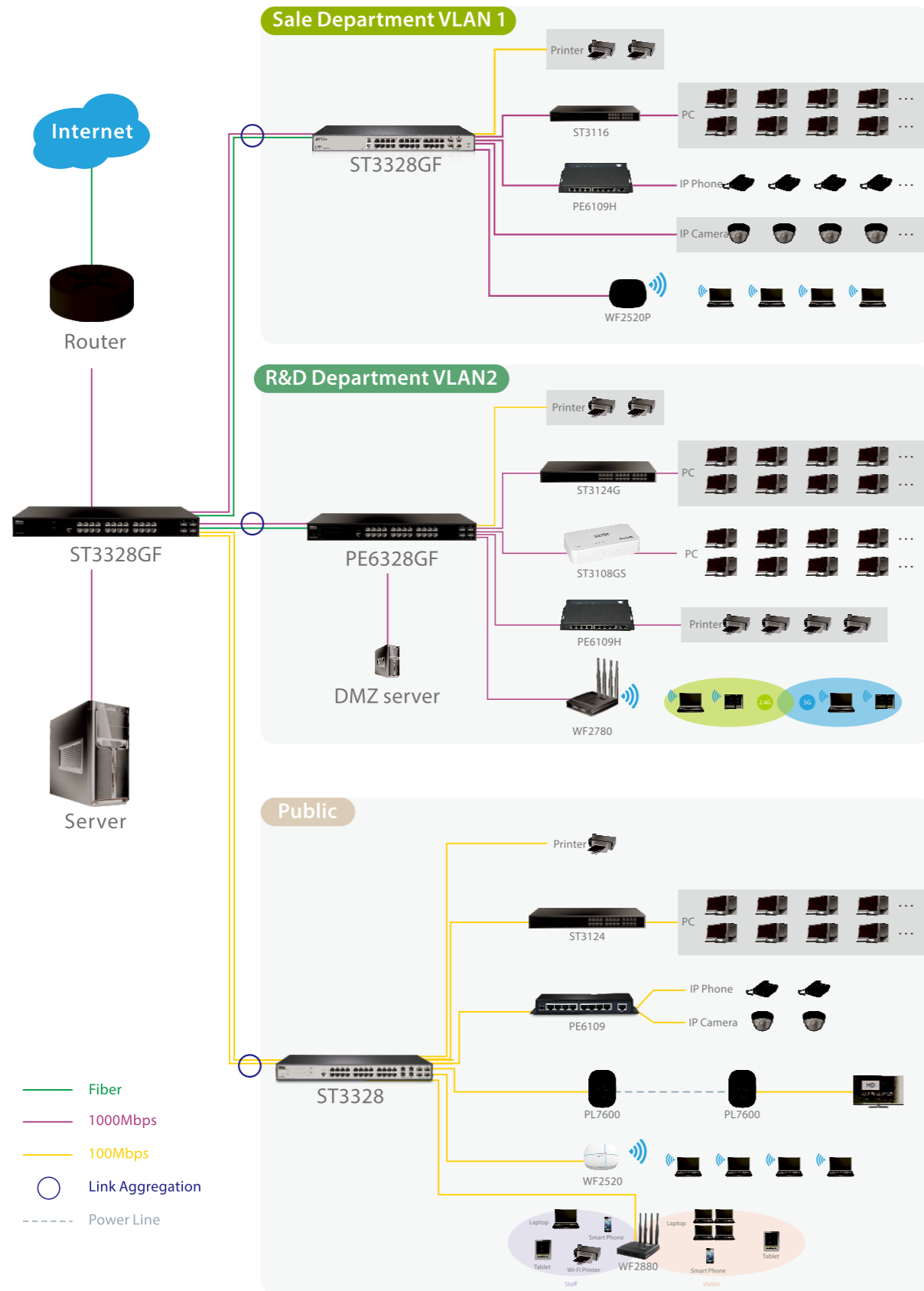
- 8 Priority Queues
- Strict Priority (SP)
- Weighted Round Robin (WRR)
- SP+WRR CoS Policies
- Traffic-Policing Policies

### Other Functions

- IEEE 802.3x PAUSE frame Flow Control, Full-Duplex mode
- Back-Pressure Flow Control, Half-Duplex mode
- DHCP Snooping/DHCP Relay/DHCP option 82
- Flow Mirroring
- VLAN Mirroring
- Link Layer Discovery Protocol (LLDP)
- Device Link Detection Protocol (DLDP)

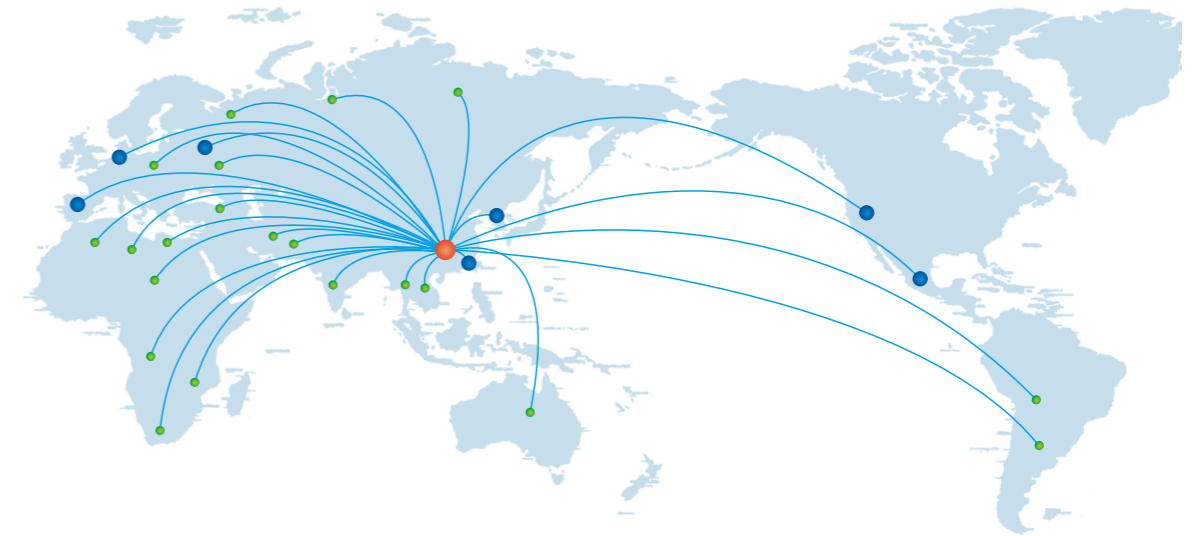
## SNMP PoE Switch

Model No.	PE6208H	PE6310GF	PE6328	PE6328GF
Product Picture				
Description	8 Ports Fast Ethernet PoE Web Smart Switch/4 Ports PoE/802.3at/af	8GE+2 SFP-Port Gigabit Ethernet SNMP PoE Switch	24FE+4 Combo-Port Gigabit Ethernet SNMP PoE Switch	24GE+4 SFP-Port Gigabit Ethernet SNMP PoE Switch
10/100Mbps RJ45 Port	8	/	24	/
10/100/1000Mbps RJ45 Port	/	8	4	24
PoE Port	4	8	24	24
Gigabit SFP Port	/	2	4	4
Console Port	1	1	1	1
Switching Fabric Capacity	1.6G	20G	12.8G	56G
Jumbo Frame	2KB	10KB	10KB	10KB
PoE Standard	IEEE 802.3at/af	IEEE 802.3at/af	IEEE 802.3at/af	IEEE 802.3at/af
Power Consumption	Maximum (PoE on): 140W	Maximum (PoE on): 140W	Maximum (PoE on): 300W	Maximum (PoE on): 300W
Dimension (L x W x H)	440 x 200 x 44 mm	440 x 350 x 44 mm	440 x 350 x 44 mm	440 x 350 x 44 mm



# GLOBAL BRANCHES AND PARTNERS

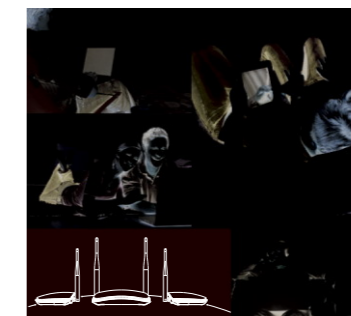
- Headquarters
- Branch Offices
- Partners



## Company Profile

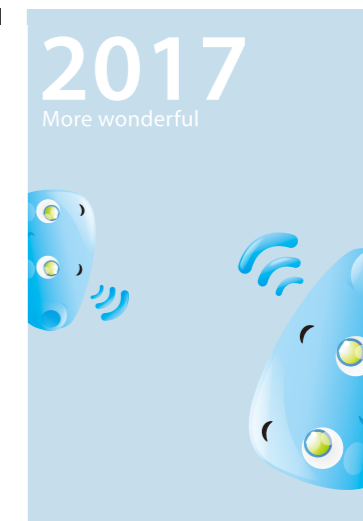
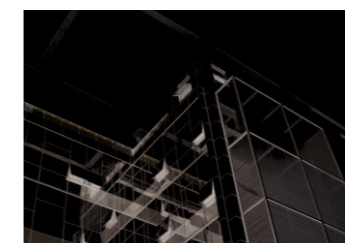
Founded in 2000, Netis Systems is a professional provider of networking products and solutions. With state-of-the-art technology, outstanding product quality and satisfying customer service, NETIS SYSTEMS has become a major provider in the data communication industry, with a growing reputation for reliable products worldwide.

Netis Systems has established 5 R&D Centers in Chengdu, Xi'an, Shenzhen, Taipei, and Korean, a 50000m<sup>2</sup> factory in Dongguan, more than 50 branches in China main cities.



Netis Systems' product family covers Wireless Router, Wireless Adapter, Powerline, Switch, xDSL, xPON, 3G/4G, Network Adapter, and is gradually involving into Storage, Security, Multimedia and other fields.

In order to provide quick and comprehensive services to global customers, Netis Systems also sets up branches in North America, Europe, Taiwan and Korea.



"Easy network, Trustable" netis is your reliable choice.