

TERRABIT NETWORKS PD1-W21-W-SERIES WAP



PD1-W21-121-W



PD1-W21-221-W

PD1-W21-W-Series

TERRABIT

Product Overview

PD1-W21-W-Series WAP is designed by Terrabit for those WiFi application sites such as dormitories, bed-wards and apartments. PD1-W21-W-Series adopts MIMO antenna optimization solution, providing users with a secure, stable and hi-speed wireless network.

PD1-W21-W-Series adopts the wall-in design, which can well compatible with the environment. Combining with ceiling-mounted and desk-top WAPs, it can establish an integrated indoor wireless coverage system. Besides, PD1-W21-W-Series supports PoE power supply.

Main Characteristics

Network Performance

Based on the latest Qualcomm chip solution, PD1-W21-W-Series supports 802.11 a/b/g/n/ac protocol. With the technique of MIMO, its transmission rate in the physical layer is up to 1166Mbps. It has been widely applied in indoors, such as hotels, hospitals, companies and stadiums. PD1-W21-W-Series is of high throughput and can access to 100 users in maximum and enable 80 users work concurrently.

Flexible Configuration

Designed with the concealed 86-style box, PD1-W21-W-Series occupies no space and causes no inference on the decoration. Therefore, it is the top choice in deploying WiFi network in doors. The FAT AP is also an option when deploying a small-size network.

With wall-mounted installation, PD1-W21-221-W saves the trouble of redundant cables and construction waste. Meanwhile, it supports LED on-off and theft alarm.

Wireless Security

PD1-W21-W-Series supports multiple data encryption criteria, including WEP, WPA, WPA2, WPA-psk, WPA2-psk and 802.11i. They also provide these security functions such as MAC/WEB/802.1x authentication, illegal AP detection, isolation of wireless users, and wireless user blacklist/white list, providing secure networks for users.

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Enterprise-Level Application

PD1-W21-W-Series has the following functions: IEEE 802.11n, flow control, QoS, fair access time, automatic terminal identification, multiple SSIDs, dynamic power/rate regulation, dynamic reception flexibility, and fat or thin AP mode.

One-Stop Solution

Collaborating with PD1-C61-Series AC controllers, layer-2 and layer-3 POE switches, broadband security flow control gateways, large commercial egress gateways, PD1-C82 cloud platforms and NMS, PD1-W21-W-Series provides users with a one-stop solution for high-speed and stable WiFi coverage. The solution integrates multiple functions such as authentication, pushing, operating, security, auditing and monitoring into one.

Hardware Specifications

Model		PD1-W21-121-W	PD1-W21-221W
Interfaces	Standard interface	1 FE/PoE port RJ45, 2 FE/LAN ports RJ45, 1 RJ11 telephone port, Passthrough, 1 spring connector, 1 USB interface	1 GE/PoE port RJ45, 3 GE/LAN ports RJ45 1 pair of RJ11/RJ45 transparent transmission ports 1 USB2.0 expansion interface, 1 Mini USB management interface
	Operation button	RESET, 24V/48V power supply switching	RESET, for controlling LED on-off. Dedicated anti-theft screw design
Wireless-related parameters	Wireless module	1 wireless module 802.11b/g/n. MIMO 2*2	2 wireless modules 802.11a/b/g/n/ac. MIMO 2*2
	Best performance	≥100 users' access, ≥30 concurrent users' access @1.5Mbps ≥16↑SSID, ≥300M	≥200 users' access, ≥60 concurrent users' access @4Mbps ≥32↑SSID, ≥1166M
	Working frequency	2.412~2.483GHz	2.412~2.483GHz, 5.150~5.250GHz, 5.250~5.350GHz 5.470~5.725GHz, 5.745~5.825GHz
	Antenna	Built-in antenna 3dBi	Built-in dual-frequency antenna 3dBi
Peripheral parameters	Output power	18dBm	22dBm
	Dimensions (W×D×H)	86×86×36mm	150×86×25 mm
	Weight	≤80g	≤210g
	Power supply	802.3af standard POE or 24V/48V Passive POE	802.3af standard POE or 48V Adaptor
	Power consumption	Peak values≤10W	Peak values≤25W
	Temperature	-20°C~55°C	-20°C~55°C
Humidity	10%~90% (non-condensing)	10%~90% (non-condensing)	

Software Specifications

Item		PD1-W21-121-W	PD1-W21-221-W
Working mode	FAT AP, FIT AP	Support	Support
Network protocols	802.1Q VLAN 4K, 802.1p priority queue, IPv6 Passthrough, DHCP snooping, IGMP proxy, DHCP Server, NAT PPPoE, SNMP, SNTP	Support	Support
Wireless security	WPA-Personal/Enterprise, WPA2-Personal/Enterprise, WEP 64/128-bit Encryption EAP-SIM/EAP-AKA/EAP-MD5/EAP-TLS/EAP-TTLS/PEAP, SSID broadcast disable, MAC address filtering 802.1x RADIUS client with PAP/CHAP	Support	Support
WLAN features	User isolation, Fair access time, Automatic channel choice, Automatic power control	Support	Support
	Wireless terminal identification		
	5G prior access	N/A	N/A
Management mode	Web, Telnet, CLI, AC centralized management, SNMP	Support	Support

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Ordering Information

Model	Description
PD1-W21-121-W	PD1-W21-121-W Serie Wall-in Intelligent WAP (3 100M ports, 1 RJ11 telephone port, 1 spring connector, 1 USB interface, 802.11 b/g/n, single-frequency dual-path wireless coverage, MIMO2*2 built-in antenna, POE power supply)
PD1-W21-221-W	PD1-W21-221-W Serie Wall-in Intelligent WAP (4 gigabit ports, 1 pair of RJ11/RJ45 transparent transmission ports, 1 USB2.0 interface, 1 Mini USB interface, dual-frequency MIMO2*2, 802.11a/b/g/n/ac, POE and Adaptor power supply)