

W3500S

WIRELESS VIDEO TRANSMISSION

Point to Point / Multi-Point 3km IP Bridge



Key Features

- Complies with IEEE 802.11a/n, 5G, 300Mbps Data Rate
- 2x 10/100m LAN Port
- 500mW high power, built-in 14dBi MIMO panel antenna, stronger signal strength, more wireless coverage
- Support passive PoE
- Built-in firewall, IP filtering, URL filtering and MAC filtering
- Complies with IEEE 802.3az standard, beamforming technology, RF power adjustment and frequency analyser for better application in varying environments
- RED compliant
- Supports DDNS, VPN pass through, Port forwarding and DMZ host
- Supports 64/128-bit WEP security, 128bit WPA (TKIP/AES) security
- Point to point
- Point to multi-point

The Genie W3500S is a 5G wireless outdoor CPE with the next generation 802.11a/n Wi-Fi standard. Up to 300Mbps high speed data transmission and equipped with two 10/100m LAN ports, the W3500S achieves data transmission over the air for point-to-point and point to multi-point connections up to 3km transmission distance. The W3500S is designed to be simple to install and extremely reliable to use.



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Specification

Others

Power Consumption	≤3W
Power	PoE 24V 1A (Default), PoE 48V 0.5A (Optional)
Sensitivity	802.11a: 6Mbps ≤ -89, 54Mbps ≤ -68 802.11n: HT20 – MCS 0 ≤ -86; MCS 7 ≤ -68 HT40 – MCS 0 ≤ -83; MCS 7 ≤ -65
Antenna	Frequency: 5180~5825MHz Polarisation Direction: Vertical DB: 14 dBi
RF @25°C ±2dB	802.11a: 6~24Mbps: 19±2dBm 36-48Mbps: 19±2dBm 54Mbps: 19±2dBm 802.11n: HT20 – MCS 0~3: 17±2dBm MCS 4: 17±2dBm MCS 5: 17±2dBm MCS 6: 17±2dBm MCS 7: 17±2dBm HT40 – MCS 0~3: 16±2dBm MCS 4: 16±2dBm MCS 5: 16±2dBm MCS 6: 16±2dBm MCS 7: 16±2dBm
Management	WEB management: Supports Telnet: Supports Serial: Supports
Security	MAC control: Supports Encryption: WEP Encryption 64/128bits,WPA,WPA2,802.1x
Environment Conditions	Working: -30~65°C Storage: -50~80°C Humidity: ≤95% (Non-condensing)
Dimensions	310 × 95 × 75 mm
Weight	0.45kg

Functions

Chipset	AR9344
Dram	DDR2 64MB
Flash	8MB
Interface	10/100Mbps LAN x2
Data Rate	11a:54M,48M,36M,24M,18M,12M,9M,6Mbps 11n:7.2M,14.4M,21.7M,28.9M,43.3M,57.8M,65M,72.2M,14.4M,28.9M,43.3M,57.8M,86.7M,115.6M,130M,144.4Mbps 433Mbps
Transmission Mode	DSSS
Modulation Mode	OFDM/BPSK/QPSK/CCK/DQPSK/DBPSK
Wireless Standard	IEEE802.11a, IEEE802.11n, IEEE802.3u
Protocol	CSMA/CA,TCP/IP,IPX SPX, NetBEUI, DHCP, NDIS3, NDIS4, NDIS5
Frequency	4900~6100MHz

* Actual performance will always depend on many environmental conditions. Maximum distances are only achieved where there are clear lines of sight and no environmental obstacles or issues.