



WiFiProtect™

FLEXIBLE SECURE WIRELESS SOLUTIONS



Features

- **Certified secure with FIPS 140-2 Level 2+**, customizable for enhanced encryption options
- **Multi-layer security features** include encryption and firewall to meet network needs, devices and protocols
- **Adapts seamlessly to any network environment** including IP/SEC VPN management tunnels to communicate with certificate authentication servers, remote management, logging and time to stay synchronized with greater network infrastructure
- **Easy-to-use** and streamlined security infrastructure make WiFiProtect a ready-to-manage encryption device within your network
- **Multiple configurations for a variety of environments**, including single channel (WP-523), dual channel (WP-525), and 900Mhz (WP-529) for extended distances
- **Full lifecycle support** from site surveys to configuration services and sustainment

Overview

In today's rapidly changing network environment, protecting voice, video, and data transmissions against cyber threats is crucial. Ultra Intelligence & Communications (Ultra I&C) addresses this need with a suite of products designed to secure networks against vulnerabilities, ensuring a resilient and secure digital framework.

Among these solutions, WiFiProtect stands out by offering a portable and efficient way to extend wireless coverage without the high costs or time constraints associated with infrastructure upgrades. Utilizing cutting-edge 802.11n wireless technology, WiFiProtect enables high-speed, secure wireless communication up to 300 Mbps, perfect for streaming and other bandwidth-intensive tasks. It supports various configurations including client, access point, and mesh, making it highly adaptable for critical infrastructure, defense, or governmental networks. The device's capacity for self-forming and self-healing mesh networks assures continuous, secure service, aligning with the demands of contemporary operations for paramount security and operational flexibility.

Technical specification

Wireless Features

- Multiple Wi-Fi RFs: 802.11a/b/g/n
- Self-forming, self-healing mesh network 802.11s or RSTP
- Operation modes:
 - Access point
 - Mesh point
 - Mesh access point
 - Client

Certifications

- NIAP Common Criteria certified
- FIPS 140-2 validated
- WiFi Alliance certificate
- MIL-STD-810E shock
- Method 516.4, Proc IFunctional Shock
- MIL-STD-167 vibration
- DoD PKI
- EMI: FCC Class A
- NSA CSfC Certified WLAN Component

Security

- FIPS - 802.11i PSK and 802.1x
- Enable/disable broadcast SSID
- MAC address filtering
- NSA Commercial National Security Algorithm (CNSA) Suite upgradeable

Mechanical

73.5mm x 102.5mm x 126mm

Environmental

- Operating temperature: -40 °C to +75° C
- Storage temperature: -40 °C to +80 °C

Interfaces

- 10/100/1000 Base-T WAN (UPLINK) Ethernet port
- One 10/100/1000 Base-T LAN (LOCAL) Ethernet port
- Capable of 3x3 MIMO operation

Power

- +5 to +12 VDC
- Power: 7.5W typical, 10W max

Performance

Aggregate 802.11n throughput: 300 Mbps max

Options

Power Options	Tabletop power supply 5 to 12 VDC <ul style="list-style-type: none"> • DIN rail mounted power supply • 5 to 12 VDC • 1 meter power connection cable supplied with each unit 		
Antenna Options	WiFiProtect 523 RF Ports: RP-SMA, 3x3 MIMO Discrete antennas (rubber duck) or MIMO dome style	WiFiProtect 525 RF Ports: N-Type, 3x3 MIMO per radio Discrete antennas (rubber duck) or MIMO dome style Power over Ethernet (PoE)	WiFiProtect 529 Single 6-dBi omnidirectional or directional Yagi antenna
	DIN rail mountable plate with N-type bulkhead connectors for remote mounting		
Other Options	<ul style="list-style-type: none"> • Lightning arrestors • CAT 6 ethernet cables 		