



WiFiProtect Gateway

Multi-radio Secure Wireless Mesh Platform

3eTI's WiFiProtect Gateway is a next-generation and highly secure wireless mesh node that provides seamless voice, video and data communications in the most challenging environments. The freedom from geographical constraint makes the device ideal for military or defense environments such as operating facilities, base camps and field units. All of these require highly secure communications but are not easily entrenched to accommodate wired solutions. At link rates of up to 450 Mbps per radio, the WiFiProtect Gateway provides a self-forming, self-healing wireless mesh network solution while shielding vulnerable radio links from sniffing through government certified encryption technologies.

WIRELESS FEATURES

- Multiple Wi-Fi RFs: 802.11a/b/g/n
- Multiple SSIDs / 802.1Q VLAN
- Operation modes:
 - » Access point
 - » Mesh Access Point
 - » Mesh Point
 - » Client
- Self-forming, self-healing mesh network
- Adjustable transmit power

CERTIFICATIONS

- FIPS 140-2 validated
- WiFi Alliance certificate
- MIL-STD-901D Shock
- MIL-STD-167 Vibration
- DoD PKI
- EMI: FCC Class A
- MIL-STD-464/A Par 5-13 / EMCON
- MIL-HDBK-2036 DoD-STD-1399/301A
- DoD HERO

MECHANICAL

- 9.25" x 8.25" x 3.00"
- 5.75 lbs

PERFORMANCE

- Aggregate 802.11n throughput: 600Mbps (300 Mbps per radio)

SECURITY

- FIPS 140-2 mode
 - » FIPS - 802.11i PSK and 802.1x
- Enable/disable broadcast SSID
- MAC address filtering
- NSA Suite B upgradeable
- Wireless AP and wireless client activities monitoring
- OCSP CRL for user authentication

ENVIRONMENTAL

- Operating temperature: -40° C to +70° C
- Storage temperature: -40° C to +80° C

TOOLS AND UTILITIES

- Ping utility
- Trace route utility
- Firmware upgrade via web GUI
- Reboot device
- Factory default
- Configuration file import / export
- Remote administration access control
- Radio TX off control

DEVICE MANAGEMENT

- Web server, HTTPS
- SNMP v1, v2, v3

INTERFACES

- One 10/100/1000 Base-T WAN (UPLINK) Ethernet port
- One 10/100/1000 Base-T LAN (LOCAL) Ethernet port
- Six MIMO antennas for two radios
- One ground connector
- IPv6 addressing
- Power input (MP option)

POWER

- STD: Power-over-Ethernet
- MP: 11.5 - 36 VDC for mobile power option
- Power: 11.5W typical, 15W max

LED INDICATORS

- Power
- WAN - Ethernet uplink indicator
- WLAN1 - AP activity light/link indicator
- WLAN2 - Bridge activity light/link indicator
- WLAN SS - Bridge signal strength indicator
- FIPS/Alarm

