

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Visit our website - *Click HERE*

ULTRA | Intelligence & Communications



WiFiProtect

Single-Radio Secure Wireless Mesh Platform

Overview

Ultra Cyber's WiFiProtect products provide seamless voice, video and data secure wireless communications in the most challenging environments. The freedom from geographical constraints makes the portable device ideal for military or defense environments such as operating facilities, base camps and field units. All of these require highly secure communications but do not readily accommodate trenching for wired solutions. Using the latest 802.11n wireless technologies to achieve link rates of up to 300 Mbps, the WiFiProtect Access Point is a self-forming, self-healing wireless mesh solution that meets the growing demand for streaming media and advanced applications.

Wireless Features

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

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

Security

- FIPS - 802.11i PSK and 802.1x
- Enable/disable broadcast SSID
- MAC address filtering
- NSA Suite B 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

- One 10/100/1000 Base-T WAN (UPLINK) Ethernet port
- One 10/100/1000 Base-T LAN (LOCAL) Ethernet port
- Capable of 3x3 MIMO operation
- RS-232 / 422 / 485 w/DB-9 connector (on optional wiring PCBA)

Power

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

Performance

- Aggregate 802.11n throughput: 300 Mbps max

LED Indicators

- Power
- WAN - Ethernet uplink indicator
- WLAN - AP activity/link indicato

Device Management

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

Options

- Power Options
  - Table top power supply 5 to 12 VDC
  - DIN rail mounted power supply
  - 5 to 12 VDC
  - Pigtail - 1 meter length - with 3e-523NF power connector attached
  - Wiring PCBA
- Antenna Options
  - RP-SMA antenna - quantity three
  - DIN rail mountable plate to take 3 N connectors - with RP-SMA to N bulkhead cables
- Lightning arrestors
- CAT 6 Ethernet cables
- Serial cable RS-232

Contact us or schedule a demo:

sales@ultra-us-gbs.com

1-800-449-3384

www.ultra.group

Wi Fi CERTIFIED | FIPS 140-2

Ultra reserves the right to vary these specifications without notice.

© 2021 Ultra Electronics Ltd. All rights reserved.
1037.1-I&C-en-REV0721

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP