

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*

ES520



Fortress Secure Wireless Bridge

The **Fortress ES520** allows organizations to quickly establish networking and communications in environments with no available infrastructure. With a **dual radio design** that allows for simultaneous wireless backhaul and wireless access, the ES520 offers high assurance **FIPS 140-2 validated security** as well as **industry leading radio range**. Combining these services along with an eight port Ethernet switch in a **small and rugged form factor** enables the **ES520** to provide on-demand secure voice, video and data communications. Whether for rapidly deployable kits, vehicle area networks, emergency response or situational awareness, the **Fortress ES520** is the proven choice to meet the most challenging deployable networking requirements.



FIPS VALIDATED 140-2

Wi Fi CERTIFIED a b g



Fortress Secure Wireless Bridges are "all-in-one" network access devices with built-in security. The **ES520** combines the functions of a wireless access point, wireless bridge, switch, and security gateway in a form factor engineered specifically for harsh outdoor environments.



ES520

Fortress Secure Wireless Bridge

ES520 SPECIFICATIONS

FEATURES & BENEFITS

Simple and Secure Connectivity

The ES520 provides secure wireless connections to the network. An "all-in-one" device, the ES520 combines the features of a wireless access point, wireless bridge, switch and security gateway in a compact, rugged form factor ideal for use in rapid deployment for incident response or in a tactical network.

Maximum Range and Network Resilience

The ES520 allows organizations to quickly extend the availability of voice, video and data applications without compromising security. With powerful radios for access and reachback, portable and rugged form factor for harsh environments and high assurance security for protection, the ES520 ensures that network access can be made available almost anywhere.

Highly Portable and Rugged Design

The rugged design and small form factor of the ES520 mean they can deliver dependable performance in a wide range of conditions, from arid mountainous desert environments to lowland jungles. The ES520 can be deployed in a "rapid response kit" or pole-mounted with its water-resistant face plate.

Easy to Configure and Manage

The ES520 requires minimal configuration and management, making them easy for field personnel to deploy. ES520s are designed for quick and intuitive management, whether through the browser-based management GUI or CLI.

Certified Security

With FIPS-validated, Layer 2, AES-256 encryption, Fortress products eliminate the opportunity for hackers to intercept important network data, view network addresses, or interrupt availability. Fortress offers proven security that has been thoroughly tested and deployed in the most demanding environments.

FEATURES AND PERFORMANCE

range	• tested up to 32 miles (directional antenna) • tested up to 7 miles (omnidirectional antenna)
performance	• up to 100 secure clients
encryption	• AES-128, 192, 256 • WPA2 (802.11i) • NSA Suite B Cryptography upgradeable
authentication	• internal or external RADIUS, PKI/CAC • network, user and device
management	• secure browser-based GUI, CLI or SNMP
SSID support	• up to 4 SSIDs

HARDWARE

enclosure	• rugged .125" aluminum • NEMA 4
mounting	• mast mounting kit and weatherizing kit included
chassis dimensions	• 2.7"H x 8.8"W x 8.2"D (6.9 cm x 22.4 cm x 20.8 cm)
with connector ends	• 2.7"H x 8.8"W x 10"D (6.9 cm x 22.4 cm x 25.4 cm)
weight	• 4.9 lbs. (2.2 kg)
connections	• eight RJ-45 10/100 LAN ports w/ auto-MDIX and PSE • RJ-45 10/100 weatherized WAN port with PoE receiver • two RJ-45 serial ports (1 console port) • USB port for future functionality
radios	• 400mW 802.11a/b/g radio (max transmit power is regulatory domain and configuration dependent) • 400mW 802.11a radio (max transmit power is regulatory domain and configuration dependent)
antenna support	• 2 N-style external antenna connectors (female)
radio modes of operation	• wireless access point or bridge • 802.11h
power supply	• variable 7-30 or 36-60 VDC (AC adapter included) • PoE (injector included) • weatherized power connector with tethered cap • polarity protection
power draw	• 13W maximum (not including PSE)
power sourcing	• PSE, maximum power draw 55W
port LEDs	• link, activity, status, PoE
radio LED	• strength and association
warranty	• includes 1 year of maintenance and support

ENVIRONMENTAL

cooling	• convection (no fans)
operating temperature	• -10 to 55°C
humidity	• 5 to 95%
weather resistance	• water-resistant front panel cover plate included • IP56 • NEMA 4 • lightning arrestor
vibration, bounce & shock	• MIL-STD 810F

CERTIFICATIONS

safety & emissions	• CE, FCC, UL 60950-1, IEC 60529 (CB Test)
NIST	• FIPS 140-2 level 2
common criteria	• EAL3 submitted

www.fortresstech.com

Fortress Technologies
4023 Tampa Road, Suite 2000, Oldsmar, FL 34677
Phone: 813.288.7388 or 1.888.4PRIVACY [477.4822]
© 2009 Fortress Technologies Inc. All rights reserved.
Specifications and features are subject to change without notice

FORTRESS® TECHNOLOGIES

FTI Doc#: DS 001 041708 V01

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