

ES520



Fortress Secure Wireless Access Bridge

Organizations continually face the challenge of improving the reach of their existing networks and even establishing communications in environments with no available infrastructure. Fortress Secure Wireless Access Bridges combine wireless, switching and security services in a small and rugged form factor. Functioning as a self-contained network or as a secure access point and wireless bridge, the ES520 enables on-demand secure voice, video and data communication. Whether for perimeter/border security, rapid response kits or vehicle area networks, the ES520's powerful radios, rugged design and strong security allow these organizations to implement various applications across fixed, portable or mobile networks.



Fortress Secure Wireless Access Bridges are all-in-one network access devices with built-in security. The ES520 is ideally suited to work as a self-contained network combining the functions of an access point, wireless bridge, switch, and security gateway in a form factor engineered specifically for harsh outdoor environments.

ES520

Fortress Secure Wireless Access 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 an 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.

High Assurance 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	<ul style="list-style-type: none">• tested up to 32 miles (directional antenna)• tested up to 7 miles (omnidirectional antenna)
performance	<ul style="list-style-type: none">• up to 100 secure clients
encryption	<ul style="list-style-type: none">• AES-128, 192, 256• WPA2 (80211i) software upgradeable• Suite B software upgradeable
authentication	<ul style="list-style-type: none">• internal or external RADIUS• user and device
management	<ul style="list-style-type: none">• secure browser-based GUI, CLI or SNMP
SSID support	<ul style="list-style-type: none">• up to 4 SSIDs
warranty	<ul style="list-style-type: none">• includes 1 year of Maintenance and Support

HARDWARE

enclosure	<ul style="list-style-type: none">• rugged .125" aluminum• NEMA 4
mounting	<ul style="list-style-type: none">• mast mounting kit and weatherizing kit included
dimensions	<ul style="list-style-type: none">• 2.3"H x 8.75"W x 6.6"D (5.8cm x 22.2cm x 16.8cm)
weight	<ul style="list-style-type: none">• 3.46 lbs. (1.57 kg)
connections	<ul style="list-style-type: none">• eight RJ-45 10/100 LAN ports with auto-MDIX• one RJ-45 10/100 WAN port with PoE receiver• one RJ-45 serial console port• two USB ports for future functionality
radios	<ul style="list-style-type: none">• one 200 mW 802.11a/b/g radio (maximum transmit power 23dBm)• one 400 mW 802.11a radio (maximum transmit power 26dBm)
antenna support	<ul style="list-style-type: none">• 2 N-style external antenna connectors
radio modes of operation	<ul style="list-style-type: none">• wireless access point or bridge
power supply	<ul style="list-style-type: none">• external AC-DC power adapter (48V), or PoE• polarity protection
power draw	<ul style="list-style-type: none">• 13W maximum
port LEDs	<ul style="list-style-type: none">• link, activity, status, PoE
radio LED	<ul style="list-style-type: none">• strength and association

ENVIRONMENTAL

cooling	<ul style="list-style-type: none">• convection (no fans)
operating temperature	<ul style="list-style-type: none">• -10 ~ 50°C
humidity	<ul style="list-style-type: none">• 5 ~ 95%
weather resistance	<ul style="list-style-type: none">• water-resistant front panel cover plate included• IP56• lightning arrestor
vibration, bounce & shock	<ul style="list-style-type: none">• MIL-STD 810F

CERTIFICATIONS

safety & emissions	<ul style="list-style-type: none">• UL, CE, FCC
NIST	<ul style="list-style-type: none">• FIPS 140-2 level 2 submitted
common criteria	<ul style="list-style-type: none">• EAL 3 submitted

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