

# Army Combat Service Support Automated Information Systems Interface (CAISI)



Portable, Weatherproof WLAN Components Extending Your Network to Remote Locations

## ARMY CAISI

Telos is currently delivering the Army's next generation high speed, long range wireless network. This network links war-fighters in theater to the Army's logistical systems. The CAISI allows Combat Service Support (CSS) automation systems to electronically exchange information with Logistical Support Areas.

The CAISI Bridge Module (CBM) is a complete Radio Module-Access Point designed for rapid field deployment. Assembly of the kit is "tools free," and includes all of the components for complete operation.

Telos has partnered with Fortress Technologies to provide secure, rugged, tactical wireless capabilities to the U.S. Army.

The Fortress ES520 Bridge is critical to the CBM and enables networking in environments with no available infrastructure. It combines the functions of an access point, switch, wireless bridge, and security gateway specifically designed for rugged, outdoor environments.

Telos has a lab dedicated to testing secure wireless network technology. This lab is used to assist the Army with CAISI testing. Updates to the system components and firmware are evaluated in the lab before they are fielded.

Telos' participation in the CAISI acceptance testing was critical in correcting deficiencies and recommending enhancements to exceed Army requirements.

Telos uses this experience to ensure that the CAISI CBM Kit is equipped with the most current technology. Telos is the exclusive provider of CAISI to the U.S. Army.








*\*CAISI is ruggedized and designed for Rapid Field Deployment*

## THE ARMY CAISI ADVANTAGE

FEATURES	BENEFITS
<ul style="list-style-type: none"> <li>802.11a, 802.11b/g radios</li> </ul>	<ul style="list-style-type: none"> <li>Communications modes from secure point-to-point bridging to Mesh networking to secure wireless LAN</li> </ul>
<ul style="list-style-type: none"> <li>Directional antenna</li> </ul>	<ul style="list-style-type: none"> <li>Extended range capability. Secure point to point communications – up to 32 miles</li> </ul>
<ul style="list-style-type: none"> <li>Omni-Directional antenna options</li> </ul>	<ul style="list-style-type: none"> <li>Secure local area Communications – up to two (2) miles</li> </ul>
<ul style="list-style-type: none"> <li>FIPS 140-2 Level 2 certification</li> </ul>	<ul style="list-style-type: none"> <li>DoDD 8100.2 and AR-25-2 Compliant</li> </ul>
<ul style="list-style-type: none"> <li>Layer 2 AES-256 encryption</li> </ul>	<ul style="list-style-type: none"> <li>Secure packet encryption – no IPs in the clear</li> </ul>
<ul style="list-style-type: none"> <li>Compact, lightweight, rugged design</li> </ul>	<ul style="list-style-type: none"> <li>Rapid deployment in any environment</li> </ul>
<ul style="list-style-type: none"> <li>Internal ISO 9001 integration, customer and product support facilities</li> </ul>	<ul style="list-style-type: none"> <li>Ensures quality from order receipt to order delivery and during life cycle</li> </ul>
<ul style="list-style-type: none"> <li>365x24x7 on-line delivery order status</li> </ul>	<ul style="list-style-type: none"> <li>Customers can stay informed about their shipments</li> </ul>



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SPECIFICATIONS		COMPONENTS	
<u>Performance &amp; Features</u> <ul style="list-style-type: none"> <li>• Supports up to 4 SSIDs and 100 secure clients</li> <li>• Secure browser-based GUI, CLI or SNMP</li> </ul>	<u>Physical Characteristics</u> <ul style="list-style-type: none"> <li>• Dimensions – 24.6”L x 19.7”W x 11.7” H, 50 lbs.</li> <li>• Handle and in-line wheels for easy transport</li> </ul>	5.4 and 5.8 GHz 26 dBi Directional Antenna for Point-to-Point bridging 	Fortress Technologies' ES 520 Rugged Wireless Network 
<u>Security</u> <ul style="list-style-type: none"> <li>• Internal or external RADIUS, PKI/CAC</li> <li>• Supports up to 256bit WPA2-AES Encryption (802.11i)</li> </ul>	<u>Manageable 10/100 Switch</u> <ul style="list-style-type: none"> <li>• Eight (8) RJ-45 ports</li> <li>• Auto sensing (speed/duplex)</li> <li>• IEEE 802.1x port security and authentication</li> </ul>	 5.4 and 5.8 GHz 9 dBi Omni for Point-to-Multipoint or Point-to-Point bridging	 2.4 GHz, 9 dBi Omni for Long Range
<u>Uninterruptible Power Supply</u> <ul style="list-style-type: none"> <li>• 100 – 140 VAC Input Voltage</li> <li>• Minimum 10 minute runtime at half load; 320 VA output</li> </ul>	<u>Certifications</u> <ul style="list-style-type: none"> <li>• CE, FCC, UL 60950-1, IEC 60529 (CB Test)</li> <li>• FIPS 140-2 Level 2</li> </ul>	2.4 and 5.8 GHz Dual Band Antenna for close range or local access 	<ul style="list-style-type: none"> <li>• Antenna mast mounting kit included</li> <li>• Weatherizing kit included</li> <li>• Tripod sold separately</li> </ul>

**TELOS CAISI ARCHITECTURE**

