Overview

In today's world the ability of military and public safety personnel to quickly access reliable high speed wireless networks has become essential. The General Dynamics' Fortress Mesh Deployable Broadband Kit provides an easily transportable, all-in-one solution that enables military and public safety personnel to quickly establish or extend a Wi-Fi network anywhere, anytime. The kit provides a scalable and mobile self-forming, self-healing, path optimized secure wireless network that enables 'always on' access to vital information including real-time imagery, voice and data. The low size, weight and power (SWaP) of the equipment allows it to fit in man-portable transit cases, and be raised high up the mast to maximize the range of coverage. It also has the intelligence to self-form, reconfiguring the network based on the location and availability of other network nodes, eliminating gaps in network coverage.

The Fortress Mesh Deployable Broadband Kit is truly wireless with zero touch management and automated configuration. In addition the equipment is ruggedized, and includes custom mounting brackets that enable setup without the use of tools, making it ideal for austere, permanent or temporary deployments. Fortress Mesh Deployable Broadband Kits are available in a variety of configurations and can be customized to meet any mission requirement.

Features

- Wi-Fi Mesh Access Point and Backhaul provides completely wireless communications
- Supports a wide variety of COTS end-user devices
- Completely private network, no cell phone bill or reoccurring license
- Embedded Commercial Solutions for Classified (CSfC) Suite B Security
- Mast system already used in Program of Record limits the need for additional logistics tail
- Enables easy integration with VoIP and other radio solutions and interoperability with existing networks
- Compact kitted footprint provides modular and easily transportable turn-key solution
- Estimated data throughput for mesh transport links: 100 Mbps at 1 mile; 15 Mbps at 5 miles (assuming line-of-sight between nodes)
Fortress® Mesh Deployable Broadband Kit

Fortress Secure Wireless Mesh
The Fortress family of wireless mesh points enable rapid establishment of a scalable and mobile self-forming, self-healing, path-optimized secure wireless network where no infrastructure exists. Fortress mesh points deliver high performance COTS wireless and secure communications capabilities that are enhanced with the highest levels of industry-standard encryption to conform to commercial and government standards. Currently deployed in some of the world’s most demanding environments, Fortress mesh points are optimized for rugged-outdoor, and ad-hoc operations to keep military and public safety personnel connected anywhere, anytime.

Deployable Kit Specifications & Contents
Available in 4.4 and 5.8 GHz Variants

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<thead>
<tr>
<th>Transit Case #1</th>
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<tr>
<td><strong>Total Case Weight</strong></td>
<td>177 lbs</td>
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<tr>
<td>10 Meter BlueSky Mast System with Tool-Less Mounting Brackets</td>
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Part Numbers
- 01-2856172-1: Deployable Broadband kit, with ES2440-35 5.8 GHz Fortress Radio
- 01-2856169-1: Deployable Broadband kit with ES2440-34M 4.4 GHz Fortress Radio