

# Fortress<sup>®</sup> Wireless & SATCOM Deployable Kit

*All-in-One Last Mile Remote Wireless Communications Solution*



Ideal for remote areas with limited backhaul accessibility and high spectrum availability

Last mile 4G LTE extends wireless coverage up to 10km

SATCOM backhaul provides connectivity where terrestrial communications don't exist

Enables broadband for smartphones, laptops and other mobile devices and sensors

Rugged, easy-to-use, transport and deploy - anywhere, anytime

Cost-effective and customizable to fit your needs

## Overview

The General Dynamics Mission Systems' Fortress Wireless & SATCOM Deployable Kit is a cost-effective, solution that combines our Fortress 4G LTE products with our SATCOM Technologies' ManPakT flyaway terminals into an all-in-one kit. It is ideal for remote areas with limited backhaul accessibility and high availability of spectrum where terrestrial communications do not exist. The kit provides or extends last mile wireless coverage up to 10km, enabling broadband connectivity for user equipment including smartphones and sensors. The rugged, lightweight kit is easy to transport, use and setup and can be quickly deployed anywhere in the world including harsh outdoor environments. The kit is available in multiple configurations and can be customized to fit your application.

## Fortress 4G LTE Features

- Truly wireless – Establishes or extends existing LTE networks
- Ideal for surveillance, perimeter sensors, early entry, ranges, mobile users and disaster response and recovery
- Quad-band Fortress LTE eNodeB (RN2404) provides spectrum agility
- Supports a variety of commercial COTS devices, no custom ROM or licensing required
- Completely private network, no cell phone bill or reoccurring license
- Embedded Commercial Solutions for Classified (CSfC) Suite B Security
- Enables easy integration with Cross banding solutions (TOCNET) and interoperability with existing networks
- Custom brackets enables quick installation without the need of tools



## SATCOM ManPakT Terminal Features

- Simple manual or automated satellite acquisition
- High performance carbon fiber segmented antenna
- Weatherproof and rugged design for harsh environments
- User-friendly GUI and setup time of 10 minutes or less
- Lightweight, and IATA compliant for easy transportation
- Ka, Ku & X-Band

# Fortress<sup>®</sup> SATCOM Remote Deployable Kit

## SATCOM Terminal Options & Specifications

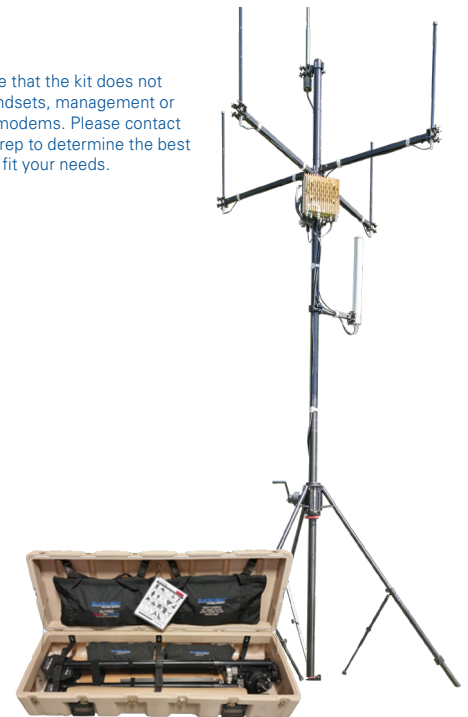


		
<b>Terminal</b>	ManPak@T C100 FM/FA Flyaway Terminal	ManPak@T C060 FM/FA Flyaway Terminal
<b>Acquisition</b>	Simple manual or automated satellite acquisition	Simple manual or automated satellite acquisition
<b>Feed</b>	Ka, Ku, X	Ka, Ku, X
<b>Power</b>	11 to 36 VDC	11 to 36 VDC
<b>Reflector</b>	1.0m 6-piece reflector	.6m 3-piece reflector
<b>Deploy Time</b>	< 10 Minutes	< 5 Minutes
<b>Positioning</b>	Manual or motorized positioner	Manual or motorized positioner
<b>Mount</b>	Tripod	Tripod
<b>Dimensions</b>	61" x 50" x 40"	30" x 37" x 22"
<b>Weight</b>	76 lbs (32kg)	51 lbs (23kg)

## Fortress 4G LTE Options & Specifications

<b>Fortress Virtual Core Network (vCN)</b>	vCN Rugged Laptop (7414) vCN Server (R430) vCN Server (R420XR)
<b>Fortress eNodeB</b>	Fortress eNodeB (2404-2) U.S. (B4, B7, B12/17, B14) or Fortress eNodeB (2404-2) E.U. (B7, B20, B28, B40)
<b>Fortress eNode Power</b>	12-36 VDC
<b>Mast</b>	10 Meter BlueSky mast system with tool-less mounting brackets
<b>Cables</b>	RF and Data/Power Cables
<b>Antennas</b>	Omni-directional antennas
<b>Weight</b>	200-300 lbs depending on configuration

Please note that the kit does not include handsets, management or SATCOM modems. Please contact your sales rep to determine the best solution to fit your needs.



**GENERAL DYNAMICS**

Mission Systems

fortressinfo@gd-ms.com • GDMissionSystems.com/wireless

Phone: (770)689-2040 • Fax: (781)455-5555

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