GENERAL DYNAMICS
Mission Systems

Compact Tactical Gateway
Lightweight, Rapid, Deployable Gateway

Enabling Mission Critical Interoperability at the Tactical Edge

Lightweight rapidly deployable gateway that enables interoperability between national and coalition systems.

A modular product that provides mission configurable services and hardware extensibility.

Compact Size, Weight and Power enabling rapid deployment, configuration, exploit, and tear down.

General Dynamics Mission Systems has over 15 years experience in delivering interoperability in Land, Sea, and Air domains.

Mission Critical Interoperability: Connect two systems rapidly and choose from a plethora of NATO or open standard services according to your information exchange requirements. The Compact Tactical Gateway enables exchange of track information, chat, mail, mapping, and overlay information.

Secure by Design: The Compact Tactical Gateway is designed to provide a secure boundary point, protecting both systems from malicious content while enabling the exchange of information.

Rapidly Deployable: The small form factor enables the Compact Tactical Gateway to be deployed at a lower level in the tactical edge domain, its rugged housing, small size and light weight design make it a one man portable system, which can be exploited at a location of opportunity.

Extensible: The Compact Tactical Gateway is designed to provide increased processing capability through the modular plug in of additional hardware. The modular software solution also enables new additional services to be quickly added, removed or upgraded.

Specifications

Services on the Compact Tactical Gateway are provided by various software plug-ins that provide hosting, translation or conversion between established NATO protocols. These include:

Exchange Method	Standard
Link 11	STANAG 5511 Ed6
Link 16 MIL-STD 6016C	MIL-STD 6016E STANAG 5516 Ed 4 STANAG 5516 Ed 6
Link 22	STANAG 5522 Ed 4
VMF Header	MIL-STD-2045-47001B MIL-STD-2045-47001D
VMF	MIL-STD 6017 MIL-STD 6017A MIL-STD 6017B
AFAPD	A Series S Series X Series
Bowman	ComBAT API
NATO Friendly Forces Information (NFFI)	v1.3
Friendly Force Information (FFI)	In Development
Cursor On Target (COT)	2.0
Over The Horizon Targeting Gold (OTH-GOLD)	Operational Specification Rev D
Automatic Identification System (AIS)	Messages ITU-R M. 1371-2
Automatic Dependant Surveillance	Broadcast (ADS-B) RTCA DO-260
Dismounted Soldier System	STANAG 4677
Multilateral Interoperability Programme (MIP)	3.0 and 3.1
Chat Messaging	XMPP Bchat
Email Exchange	SMTP BCIP Free Binary
Message Text Format (MTF)	ADatP-3/APP-11
Keyhole Markup Language	OpenGIS KML/KMZ Encoding Standard
NATO Vector Graphics	NVG 1.4
Web Map Services (WMS)	OGC 1.3.0

Application Browsing

Secured browsers enable web style browsing capabilities over the boundary. This enables viewing of web based applications such as SharePoint.

Security

Provided by the Forcepoint NGFW 120. Optional dataguard software is provided by Forcepoint ZT CDR or General Dynamics TACDS.

Hardware

- Data processing is provided by Intel NUCs.
- Panasonic Toughbook 55 provides management interfaces
- Universal Power is provided by a Riello iDialog UPS System
- Physical Protection is provided by a custom designed Barum & Dewar container.

Overall Size (inc container)

613 x 478 x 337 mm

Internal Size (deployed out of container)

538 x 405 x 250 mm

Weight (inc container)

15.9 kg

Power

Input 230V-240V AC
Max Draw 160 W

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