

TACLANE® Family of Network Encryptors

The World's Most Widely Deployed INEs

Attempts to disable and disrupt our national security and critical infrastructure systems through insider and external cyber attacks continue to grow exponentially each year. For decades, TACLANE – the most widely deployed family of network encryptors in the world – has been protecting information and networks against persistent threats and defending our assets in cyber, land, air, sea and space domains. TACLANE provides certified encryption at the highest level and continues to enhance security services as these threats advance.

From the network core to the tactical edge, TACLANE encryptors are field proven, reliable and easy to use. Administrators can easily manage a network of TACLANE encryptors remotely with the GEM™ Family of Encryptor Management Software. This capability not only saves significant time and money, but also decreases personnel risks associated with having to be physically present to manage and configure the devices in forward deployed locations.

Additional Security Services

To give customers flexibility and greater control over their networks and network devices, TACLANE encryptors are designed to accept optional software to expand the security and networking features of the device. These optional features include:

- **Agile VLAN:** adds Layer 2/Non-IP Ethernet capability to enable simultaneous HAIZE and Layer 2 on a per packet basis without any infrastructure changes
- **TACLANE Trusted Sensor Software (TTS):** adds cyber sensing and IDS/IPS capability via Deep Packet Inspection (DPI) to enable packet header and content filtering for malicious data, and issues Type 1 encrypted alerts

Investment Protection

General Dynamics provides superior customer service and support with our 24/7 Technical Help Desk. Our training courses range from encryptor installation, configuration and maintenance to learning how to identify and mitigate network intrusions. We also offer standard five year hardware and software product warranty, optional maintenance extensions and trade-in programs to allow customers to protect their investment.



TACLANE-Micro (KG-175D)

Ideal for both tactical and strategic environments, Micro is high-speed (200 Mb/s aggregate), compact, and foreign interoperable



TACLANE-C100

A Suite B Secret and below Cryptographic High Value Product (CHVP) encryptor, C100 increases interoperability between warfighters, coalition partners and allies, federal and civilian agencies, critical infrastructure and regulated industries



TACLANE-FLEX (KG-175F)

Scalable for 100 Mb/s to 1 Gb/s applications, the FLEX is the smallest, full featured HAIZE, customizable per user application.



TACLANE-1G (KG-175G)

Rugged and SWaP optimized, 1G is the first cyber sensor-capable HAIZE and provides 2 Gb/s aggregate throughput



TACLANE-10G (KG-175X)

Providing 20 Gb/s aggregate throughput at line rate, 10G is a high speed enterprise security solution for high-bandwidth applications

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| Feature | TACLANE-Micro KG-175D | TACLANE-C100 | TACLANE-FLEX KG-175F | TACLANE-1G (KG-175G) | TACLANE-10G (KG-175X) |
|------------------------------|-----------------------------|--|--|--|---|
| Aggregate Throughput (IP) | 200 Mb/s | 200 Mb/s | Scalable 200 Mb/s - 2 Gb/s | 2 Gb/s | 20 Gb/s |
| Classification | TS/SCI and Below | Secret and Below | TS/SCI and Below | TS/SCI and Below | TS/SCI and Below |
| Size | 1.61"H x 5.5"W x 10.85"D | 1.61"H x 5.5"W x 10.85"D | 1.7"H x 5.5"W x 10.85"D | 1.71"H x 8.6"W x 12.5"D | 3.5"H x 19"W x 23"D |
| Rackmount Across | 3 | 3 | 3 | 2 | 1 |
| Weight | 4.25 lbs | 4.25 lbs | < 5 lbs | <8lbs | <32 lbs |
| Power Consumption | 25W | <22 W | 32W Typical | 40W | 210W Typical |
| Ruggedized | ✓ | ✓ | ✓ | ✓ | - |
| Interfaces | Fiber/Copper | Fiber/ Copper | User Pluggable 100/1000 Fiber & Copper | Fiber/Copper | Fiber/Copper |
| Handling | CCI | CHVP/Non-CCI | CCI | CCI | CCI |
| Suite Agility | Suite A/B | Suite B | Suite A/B | Suite A/B | Suite A/B |
| Protocol Agility | HAIPE4.1/ IPMEIR 1.0 | HAIPE4.1/ IPMEIR 1.0 | HAIPE4.1/ IPMEIR 1.0 | HAIPE4.1/ IPMEIR 1.0 | HAIPE4.1/ IPMEIR 1.0 |
| Agile VLAN Capable | ✓ | - | ✓ | ✓ | ✓ |
| CDGSK* | (expected 2017) | - | ✓ | (expected 2017) | (expected 2017) |
| Supports Exclusion Keys (EK) | ✓ | ✓ | ✓ | ✓ | ✓ |
| Power over Ethernet | - | - | ✓ | - | - |
| Cyber Sensing Capable | - | - | ✓ | ✓ | ✓ (expected availability 2017) |
| Unique Feature | Most Widely Deployed INE | Simplified Handling; Expanded Use Cases | Multi-Speed Customizable Encryption Platform | Small, Rugged 1 Gig INE; Expanded Feature Set | Line Rate Throughput; Expanded Feature Set |

*General Dynamics is also developing the KMI OTNK capability and ACC compliance to be available via software upgrade.

GENERAL DYNAMICS

Mission Systems

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