TACLANE® Family of Network Encryptors

The World's Most Widely Deployed INEs

TACLANE-C175N
100 Mb/s

Small form factor high assurance encryption with reduced handling

TACLANE-Nano (KG-175N)
100 Mb/s

Smallest, Lightest Certified HAIPE for Secure Tactical Communications

TACLANE-FLEX (KG-175F)
100 Mb/s - 1 Gb/s

Next Gen, Multi-speed, Customizable Encryption Platform; Smallest 1Gb/s encryptor

TACLANE-1G (KG-175G)
1 Gb/s

First cyber sensor capable HAIPE

TACLANE-10G (KG-175X)
10 Gb/s

10 Gb/s, High speed encryptor for enterprise security applications

TACLANE-ES10 (KG-185A)
10 Gb/s

10 Gb/s, New Ethernet Data Encryption (EDE) Compliant Product

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.

Why TACLANE

From the network core to the tactical edge and everywhere in between, the TACLANE suite of products are proven, reliable and easy to use. TACLANE provides certified encryption at the highest level and continues to enhance security services as these threats advance. TACLANE offers advanced technology for scalability, flexibility and efficiency. In support of the mission and the warfighter, TACLANE offers safe keying features (CDGSK and KMI OTNK*) keeping warfighters out of harm's way and Advanced Cryptographic Capability (ACC)*.

Easy Remote Encryptor Management

Administrators can easily configure, monitor and manage a network of devices from a single location with the GEM®One Encryptor Manager software. GEM One provides an intuitive Graphical User Interface and visualization of the network and its devices improving situational awareness, operator efficiency and response time. GEM also reduces the need to physically touch each device providing significant lifecycle costs savings and reduction in personnel risk.

Advanced Software Enhancements

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 HAIPE 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 High Assurance encrypted alerts
- *Agile Performance Enhancing Proxy (PEP):* increases network availability and performance over disadvantaged networks.
- *Render Useless Zeroize (RUZ):* eliminates key material and cryptographic algorithms, fully rendering the ECU useless.

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 multi-year hardware and software product warranty, optional maintenance extensions and trade-in programs to allow customers to protect their investment.

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Feature	TACLANE-C175N	TACLANE-Nano KG-175N	TACLANE-FLEX KG-175F	TACLANE-1G KG-175G	TACLANE-10G KG-175X	TACLANE-ES10 KG-185A NEW! E-Series
	HAIPE Layer 3					EDE-CIS Layer 2
Full-Duplex Throughput (IP)	100 Mb/s	100 Mb/s	Scalable 100 Mb/s - 1 Gb/s	1 Gb/s	10 Gb/s	1-10 Gb/s
Classification	Secret and Below	TS/SCI and Below	TS/SCI and Below	TS/SCI and Below	TS/SCI and Below	Designed for Protection of TS/SCI and Below
Size	1.2"H x 3.5"W x 2.25"D	1.2"H x 3.5"W x 2.25"D	1.6"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	1.6"H x 8.5"W x 11.5"D
Rackmount Across	4	4	3	2	1	2
Weight	<8 oz	<8 oz	< 5 lbs	<8 lbs	<32 lbs	6.2 lbs
Power Consumption	5 W	5W	32W Typical	40W	210W Typical	22.5W
Ruggedized	✓	✓	✓	✓	-	✓
Interfaces	RJ45, USB-C, Micro USB	RJ45, USB-C, Micro USB	User Pluggable 100/1000 Fiber & Copper	Fiber/Copper	Fiber/Copper	User Pluggable SFP
Handling	CHVP (Non-CCI)	CCI	CCI	CCI	CCI	CCI
Suite Agility	Suite B	Suite A/B	Suite A/B	Suite A/B	Suite A/B	Suite A/B
Protocol Agility	HAIPE4.2.5/ IPMEIR 1.0	HAIPE4.2.5/ IPMEIR 1.0	HAIPE4.2.5/ IPMEIR 1.0	HAIPE4.2.5/ IPMEIR 1.0	HAIPE4.2.5/ IPMEIR 1.0	EDE-CIS v4.1.1 Modes Supported: EDE-M, EDE-CS, EDE-CC, EDE-SS, EDE-ETT
ACC Compliant	✓	✓	✓	✓	✓	✓
Agile VLAN Capable	✓	✓	✓	✓	✓	Supports VLAN Tagging
Render Useless Zeroize (RUZ) and Heartbeat Signal	✓	✓	Planned	-	-	RUZ
Cyber Sensing Capable	-	-	✓	✓	✓	N/A
TCP/IP Enhancing Proxy (PEP)	✓	✓	✓	-	-	N/A
CDGSK	✓	✓	✓	✓	✓	N/A
Power Options	AC/DC, DC/DC, POE, USB	AC/DC, DC/DC, POE, USB	AC/DC, POE	AC/DC	AC/DC	AC/DC
GEM® One Mangement	✓	✓	✓	✓	✓	✓

GENERAL DYNAMICS
Mission Systems

gdmissionsystems.com/TACLANE • infosec@gd-ms.com • Phone: 781-410-9400 • Toll-free: 888-Type1-4-U (888-897-3148)

TACLANE™

SECURING THE MISSION
TACTICAL EDGE TO ENTERPRISE