TACLANE®-Micro (KG-175D)
The World’s Most Widely Deployed HAIPE® Encryptor

Overview
TACLANE-Micro is the most widely deployed High Assurance IP Encryptor (HAIPE) and Crypto Modernization Compliant encryptor. The Micro is field proven and reliable to withstand both tactical and strategic environments. Optimized for both tactical and strategic environments, the TACLANE-Micro is a compact, mobile 100 Mb encryptor.

Features at a Glance
- Simultaneous HAIPE v4.2.5 and IPMEIR 1.0 compliant
- IPv4/IPv6 dual stack
- 200 Mb/s aggregate throughput
- Foreign interoperable
- Suite A/Suite B/IPMEIR algorithm agility (per packet basis) - no manual intervention required
- HAIPE to HAIPE keying – keeps warfighters out of harm’s way
- Field tamper recoverable
- Both copper & fiber interfaces
- Remote zeroize
- Low power (<22 watts)
- Low latency
- NAT-T extension enables users to securely communicate where Network Address Translation is present (hotel rooms or remote offices)
- Supported by GEM® One Remote Manager
- Web-based user interface makes configuration and use easier
- 1U small form factor – rack mountable
- Supernet static route support
- External power supply (included with unit)
- Safe Keying Features (CDGSK and KMI OTNK)
- ACC Compliant
- Free 24/7 technical help desk support

Optional Features
Agile Virtual Local Area Network (VLAN): Enables use of HAIPE security features on Layer 2 VLAN tagged / Non-IP Ethernet traffic while simultaneously supporting standard HAIPE encryption of IP traffic. Benefits include:
- Elimination of GRE Tunnels
- Redundancy
- Load Balancing
TACLANE-Micro (KG-175D)

ALTIMETRY
- Sea level up to 60,000 ft
- Operating: Sea level up to 50,000 ft

LOW LATENCY
- Ideal for time delay critical applications (VoIP and satellite)
- Does not exceed 59 microseconds for <= 46 byte packet (IPv4)
- Does not exceed 73 microseconds for <= 64 byte packet (IPv6)

MANAGEMENT
- Web-based using standard browser
- Remote login to TACLANE menu structure and commands

NETWORK PROTOCOLS
- Ethernet
- IPv4/IPv6
- IPv6 neighbor discovery and address resolution
- Address Resolution Protocol (ARP)
- Internet Group Management Protocol (IGMP)
- Internet Control Message Protocol (ICMP)

NAT SUPPORT
- NAT-T Automated Security Association Extension

REACHABILITY
- Peer HAPE Reachability Detection (PHRD)
- Peer Destination Unreachability Notification (PDUN)

DISCOVERY
- Generic Discovery Client
- Static Routing
- IM PEPD
- HAPE IS Secure Dynamic Discovery

CERTIFICATIONS
- TACLANE-Micro is NSA Certified to protect information classified Top Secret/SCI and below.

INTEROPERABILITY
- Interoperable with all HAPE compliant encoders

FOREIGN INTEROPERABILITY
- Algorithm Agile - Simultaneous Suite Suite
- A/B/AES-EFF/IPMEIR without manual intervention

Ease of Use and Management Tools
- GEM One Encryptor Management
- Generic Discovery Server (GDS)
- Quick Start Wizard

Ordering
- Next generation crypto modernization products available. Look to the TACLANE-FLEX (KG-175F) and the TACLANE-Nano (KG-175N).
- Available to order through IDIQ & General Dynamics only while supply lasts. Contact INFOSEC immediately for purchase.

General Dynamics Mission Systems

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