

# TACLANE® Encryptor (KG-175)

## Worldwide Deployment and Support

Remotely Managed by: **GEM X** ENCRYPTOR MANAGER



*Trade-In your TACLANE-Classic and E100 for a new TACLANE-Micro:*

Remote Management by GEM X®

Approximately \$3,000 per unit in savings

5 year warranty

Decreased size, weight, and power



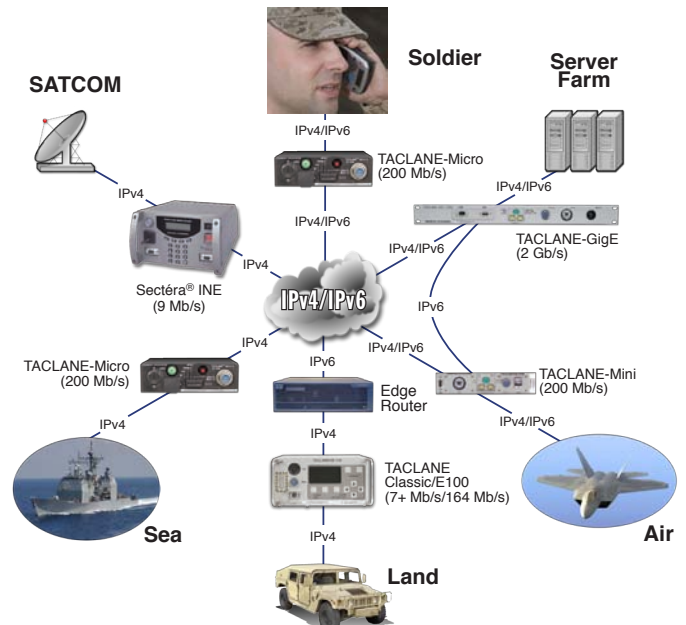
### Overview

TACLANE-Classic and E100 are no longer available for purchase; however, product service and support will continue to be provided by calling 1-877-230-0236 or emailing infosecsupport@gdc4s.com.

General Dynamics recommends the TACLANE-Micro to meet your future encryption needs. Currently deployed TACLANE-Classic and E100 encryptors may be traded in for a new TACLANE-Micro for \$6,950. TACLANE-Micro is managed by GEM-X®, the latest in encryptor management which allows users to remotely manage up to 500 TACLANE network encryptors. Users that upgrade to TACLANE-Micro do not require any additional operator training, as the menu structure is identical.

### Training and Help Desk Support

Classroom training is available in our Maryland and Arizona offices and will cover all products in the TACLANE family. Free Help Desk support is provided 24 hours a day, 7 days a week.



*Seamless Communications Using IPv4/IPv6 IPv6 capabilities will be available with HAIPE IS v3.02 software upgrade (2Q 2009). Throughput rates above are shown in aggregate.*

**GENERAL DYNAMICS**  
C4 Systems

# TACLANE® Encryptor (KG-175)

## TECHNICAL SPECIFICATIONS

(Common features for TACLANE Classic and E100)

### OPERATOR INTERFACE

Front panel

Remote management/configuration via SNMP v1

### ADDRESSING/NETWORKING

Up to 4000 simultaneous destinations via Automated Peer Discovery or static routing

1000 Route entries using static routing table

"Default route" or Automated Peer Discovery

Multicast and Unicast

Point to multipoint

Autorecovery and discovery

### MAXIMUM NUMBER OF SECURITY ASSOCIATIONS

253 Simultaneous associations (full duplex)

Virtually unlimited through dynamic reuse

### NETWORK APPLICATIONS

IP wireless connections

Satellite connections

VoIP

### FIELD TAMPER RECOVERY

By use of tamper recovery CIK

### KEYS

One master and one user CIK with tags

One tamper recovery CIK

Automated TEK update and changeover

### KEY MANAGEMENT

Key fill via Data Transfer Device (DTD) AN/CYZ-10 or (DTD 2000/SKL)

Basic and Enhanced FIREFLY key (dynamically generated Traffic Encryption Keys (TEKs))

48 Preplaced Key (PPK) chains (traditional TEKs)

## GEM SECURITY MANAGEMENT

Centrally manage TACLANE units/protected hosts

IP Backup Network Manager

Bad Guy List

Manage on Plain Text (RED) or Cipher Text (BLACK) sides

FIREFLY protection of management traffic

Manage all SNMP v1 protected hosts

Automatic discovery of device; reconfiguration

Download/change routing tables remotely

Configure/monitor TACLANE secure calls

Monitor/update device network settings

Collect audit logs for querying and archiving

### RELIABILITY

300,000+ Operating hours Mean Time Between

Failure (MTBF) (calculation based on 52,000+ deployed units)

### PROTOCOLS

IPv6 via TACLANE-Micro trade-in program

Automated peer discovery

Multicast

Internet Engineering Task Force, Internet

Protocol Security (IETF IPSEC), Encapsulating Security Payload (ESP)

Internet Control Message Protocol (ICMP)

Path Maximum Transfer Unit (PMTU)

Discovery

Address Resolution Protocol (ARP)

IGMP (v1/v2) Queries/Reports

Security Association Management Protocol (SAMP)

SNMP v1

### CERTIFICATIONS/APPROVALS

NSA certified for TopSecret Codeword and below

TEMPEST approved

## WARRANTY

3 Year hardware/software coverage including General Dynamics C4S Help Desk

### HAIPE IS COMPLIANCE

Release 3.0/3.0E is now standard in all new TACLANE units. It is mandatory for current users to upgrade to 3.0/3.0E. The upgrade is free, can be downloaded from our website, and includes:

Secure Dynamic Discovery (SDD)

Traffic Flow Security (TFS)

Internet Key Exchange (IKE)

Enhanced FIREFLY (EFF) (IP only)

### PHYSICAL CHARACTERISTICS

Size: 4.25" H x 8.25" W x 16.5" D

Weight: Approx. 14 lbs

Desktop or rack mountable

### ENVIRONMENTAL

Operating Temperature

-20°C to 50°C (0°F to 120°F)

Storage Temperature

-31°C to 65°C (-25°F to +150°F)

Humidity 95% (non-condensing)

MIL-STD 810E (operable in sand, dust, and precipitation)

MIL-STD 810F (operable in explosive atmospheres)

MIL-STD 901D (hammer test 400 lbs/91 Gs)

RTCA/DO-160D

MIL-STD 2169B (High Altitude Electromagnetic Pulse (HAEMP))

MIL-STD 461D (Electromagnetic Interference (EMI))

### POWER

100-240+ VAC, 50/60 Hz, auto-ranging/18-36 VDC

40 Watts

## Accessories

(Includes all necessary installation hardware)

The Rack Mount Kit holds (1) centrally located TACLANE, or (2) units side-by-side in a 19 in. rack.



The Transit Case holds the TACLANE, cables, Crypto Ignition Keys (CIKs), power cords, and line cards in this foam protected case.



## GENERAL DYNAMICS

C4 Systems

Secure Communications: We Bring You What's Next

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