# GENERAL DYNAMICS
Mission Systems

# TACLANE®-Nano (KG-175N) Adapter Module

## For KG-175D Form Fit Replacement



Direct Replacement Option for TACLANE-Micro (KG-175D)

Same Form/Fit and Power Supply as TACLANE-Micro (KG-175D)

Quick Connect/Disconnect Feature on Mounting Bracket

Supports Any Combination of Optical or Copper PT/CT Interfaces

Protected Cable Connections for Environmental Specifications

## Overview

The TACLANE®-Nano (KG-175N) Adapter Module (for KG-175D) is a ruggedized enclosure that is used with the TACLANE-Nano (KG-175N) encryptor to provide an exact form/fit replacement for the TACLANE-Micro (KG-175D). It also provides the exact same power and network interfaces as the KG-175D, eliminating the need for any rewiring or changes to existing mounting, shelving or enclosure configurations currently deployed. This configuration enables users to seamlessly upgrade their TACLANE encryption solution to the latest in features and security in the most cost effective way - saving significant labor, training and financial resources.
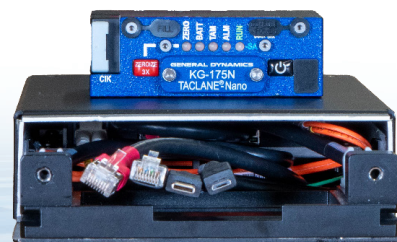
In addition, this adapter module expands the usability of the TACLANE-Nano by adding interface options and power capabilities to support a wider range of applications.

## Features at a Glance

- Form factor equal to TACLANE-Micro (KG-175D):
  - Size
  - Ruggedization (MIL-STD)
  - Power and Network Interfaces
- Hosts single TACLANE-Nano for TACLANE-Micro Replacement (Also supports TACLANE-C175N for TACLANE-C100 Replacement)
- Aligns rear panel interfaces
- Designed to mount in existing TACLANE Shelves/Enclosures
- Supports Copper and Fiber Interfaces





*The TACLANE-Nano Adapter Module enables easy, cost effective replacement for rack mounted or enclosed TACLANE-Micro (KG-175D) encryptors.*



*The TACLANE-Nano Adapter Module provides the necessary cabling and conversion to support TACLANE-Micro (KG-175D) power and network interfaces.*

# TACLANE®-Nano (KG-175N) Adapter Module

## Technical Specifications

- **Compact Size**
  - 1U (EIA Standard)
  - 1.6"H X 5.5"W x 10.85"D
  - Up to 3 units mounted side-by-side in 19" rack
  - Weight: <3.45 Lbs (without KG-175N inserted); < 3.95 lbs (with KG-175N inserted)

- **Power**
  - Can be used with TACLANE-Micro Power Supply (P/N: 28-2750283-1) (sold separately)
  - Powers the TACLANE-Nano (KG-175N)
  - 17W

- **Interfaces**
  - Cipher-Text (CT) and Plain-Text (PT)
  - 10/100 Base-T electrical, RJ-45 connector
  - 100 FX, 1300nm Optical short reach (Multimode Only)
  - Standard DS-101 Key Fill Port (via TACLANE-Nano (KG-175N) front panel)
  - Key Fill Bus Capability
  - Primary Power 12VDC
  - Remote zeroize input

- **Environmental**

  *Designed to the following MIL-STD Specifications:*
  - Operating Temperature: -40°C to 60°C (-40°F to 140°F)
  - Storage Temperature: -40°C to 71°C (-40°F to 160°F)
  - Humidity: 95% non-condensing
  - MIL-STD 810 (Sand/Dust, Rain, Altitude, Shock, Vibration)
  - MIL-STD 167-1 (Vibration)
  - MIL-STD 901D (Navy Hammer Shock)
  - MIL-STD 461E (Electromagnetic Compatibility)

- **Tempest**
  - In accordance with NSTISSAM TEMPEST/1-92 Level 1

- **Altitude**
  - Storage: Sea level up to 60,000 ft
  - Operating: Sea level up to 50,000 ft

Visit www.gdmissionsystems.com/TACLANENano for encryptor performance and capabilities.



*TACLANE-Micro (KG-175D) Front Panel*



*TACLANE-Micro (KG-175D) Back Panel*



*TACLANE-Nano (KG-175N) Adapter Module (for KG-175D)*



*The back panel of the TACLANE-Nano Adapter Module mirrors the back panel of the TACLANE-Micro (KG-175D) for easy crypto replacement*

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