

Tomahawk™ KxM GEN2



KxM is a ruggedized body-worn computing platform purpose-built to ingest and fuse large volumes of data in support of real-time decision-making. It integrates seamlessly with existing tactical networks and is fully compatible with the Nett Warrior architecture, providing flexible deployment across operational environments. The system can host a federated TAK/ATAK server while executing AI-driven video classification, enabling enhanced situational awareness and faster response. In addition, KxM delivers unified power distribution and data management to simplify soldier loadout and system integration. Designed to support ISR, EW, CBRNE, and other critical mission sets, KxM ensures warfighters remain connected, informed, and empowered at the tactical edge.

_Specifications

[PROCESSING]

GPU	NVIDIA Jetson Orin NX (1024-core NVIDIA Ampere GPU)
CPU	8-core Arm Cortex-A78AE v8.2 64-bit
MEMORY	16 GB LPDDR5
STORAGE	4TB NVMe SSD

[SECURITY]

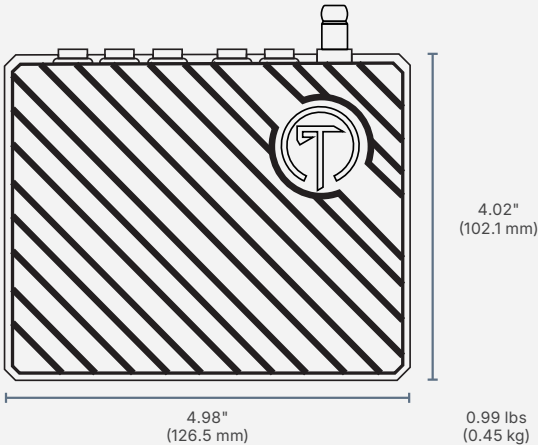
INFORMATION ASSURANCE (IA)	DISA STIGs IAW Ubuntu 20.04 LTS
SECURE DATA	Encrypted data-at-rest with anti-tamper and zeroization

[CONNECTIONS]

EUD/HOST PORT	(1) USB 2.0 EUD input port (NW+ compatible)
PAN1-4 PORTS	(4) USB 3.2 Gen 1 PAN ports
PAN1 PORT	Configurable direct USB-to-EUD for USB device compatibility
INTERFACE STANDARDS	Nett Warrior Power and Data

[SOFTWARE]

CPU OS	NVIDIA L4T 35.1 (customized Linux Ubuntu 20.04)
FEATURES	Custom Network Extensions Tactical Radio Drivers
AI FRAMEWORKS	PyTorch, Keras, TensorFlow, etc.
PRELOADED	KxM Config (browser-based app to configure network and ports) Kinesis Video Rebroadcaster Kinesis Gateway (host for 3rd party software applications)
3RD PARTY SUPPORT	NVIDIA Jetpack 5 (includes TensorRT, cuDNN, CUDA, OpenCV, etc.)
DOCKER ENGINE	NVIDIA Container Runtime



[ENVIRONMENTAL]

OPERATING TEMP	-20 to 50° C per MIL-STD-810G
STORAGE TEMP	-40 to 71° C per MIL-STD-810G
SHOCK	MIL-STD-810G, Method 516.6, Procedure IV
VIBRATION	MIL-STD-810G, Method 514.6, Procedure IV
INGRESS RATING	IP67
ELECTROMAGNETIC INTERFERENCE (EMI)	MIL-STD-461F, CS114, CS115, CS116, RE102, RS103, MIL-STD-464C 5.3 (Ground)
ELECTROSTATIC DISCHARGE (ESD)	NATO standard AECTP-500, NCS12
WEATHER CONDITIONS	Sand and Dust: MIL-STD-810G, Method 510.5, Procedures I & II Salt Fog: MIL-STD-810G, Method 509.5 Rain: MIL-STD-810G, Method 506.5, Procedure I
ALTITUDE	HALO Capable
COMPLIANCE	CE, RoHS

_Key Features

- › Supports the Hyper-Enabled Operator, FCD-W, IVAS, and AISUM program objectives
- › Fully managed network switch with management app, KxM Config
- › Powered Nett Warrior-compliant USB hub with AI edge compute
- › MOLLE mount system for operator wearability
- › Proudly designed and built in the USA – NDAA/TAA compliant
- › Docker Engine for 3rd-party containerized applications
- › Zeroization capability enabling secure, one-touch data wipe to protect sensitive information in contested environments