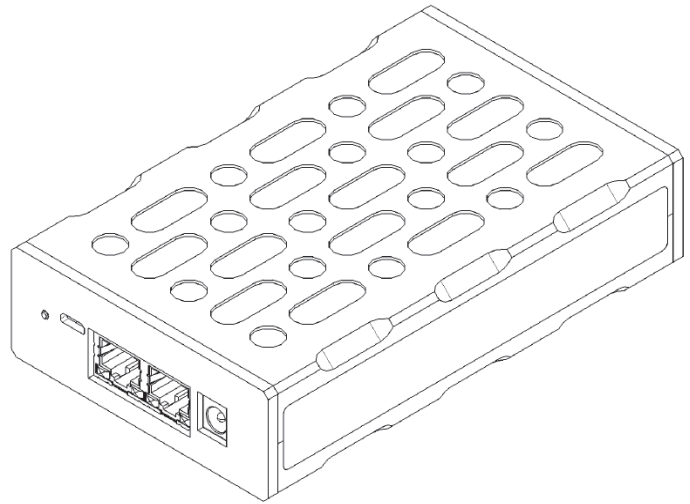# KForm

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GATE

base function
SECURE RETRANS PLATFORM

Gate is a rugged, flexible platform designed for secure wireless communications supporting Internet of Military Things (IoMT) applications, including 5G and mesh network initiatives. Its highly configurable architecture enables innovative and adaptive solutions for complex, mission-critical operations such as electronic warfare (EW), SIGINT, and secure data retransmission. Engineered for harsh environments, Gate ensures seamless and secure communication across various networks.

FEATURES

Secure Retransmission Platform: Gate supports secure multi-path data transport and backhaul, critical for military and field operations.

Mesh Networking: Easily integrates into mesh networks, enabling advanced data transport with high resilience.

Software-Defined Radio (SDR): Equipped to handle complex radio configurations, providing flexibility in various operational scenarios.

Rugged Design: Built to operate in extreme temperatures (-40°C to +85°C) and harsh environments, making it highly reliable for field deployments.

Customization: Configurable radio options and flexible software support allow tailored deployments for specific missions.

Trade Agreements Act (TAA) Compliant: Designed and manufactured in the USA.

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SPECIFICATIONS

GATE ////////////////////// SECURE **RETRANS** PLATFORM

SPECIFICATION	DETAIL
Processor	NXP i.MX8M Quad Core 1.6GHz ARM Cortex A53
RAM	4GB
Power	8-60VDC Input or PoE
Storage	MicroSD
Operating System	Ubuntu
Connectivity	2x GbE with PoE
Radio Options	WiFi 802.11AC/B/G/N, 4G LTE, 5G, Iridium Satellite, Epic SDR
Operating Temperatue	-40°C to +85°C
Weight	~1 Pound

WHY GATE?

Gate offers unmatched flexibility and security for defense and intelligence operations requiring secure communication, mesh networking, and radio frequency (RF) adaptability. With multi-path data transport, Gate ensures mission success in environments where reliable, encrypted communication is critical.