Fusion Satellite provides global connectivity with Edge capabilities to operations with large numbers of remote, mobile, or hard-to-connect assets.

In today's Internet of Things (IoT or IIOT) systems it is often a challenge to connect to critical assets. The assets are too remote, the cost to connect these assets is too high, or the connection requires communication protocols that make it difficult to connect to third-party IoT equipment needed to fully connect operational systems. Until now.

The Fusion Satellite Gateway, from FreeWave Technologies, is a satellite IoT solution designed to connect industry equipment in any environment, even in the remotest areas. This makes it perfect for operations that have remote or mobile equipment and a need to report location, status, or sensor readings on a regular basis.



GPS enabled – makes it well-suited for asset tracking applications. It's also much more than a simple GPS tracking device. It creates a two-way communication link, allowing for applications that must receive as well as send, permitting command and control of even very remote assets.

Utilizes FreeWave Edge™, the on-device data management software with the most-needed protocol converters – makes it a drop-in solution to connect existing industrial automation (i.e. SCADA) equipment via satellite.

Data management and cloud storage utilities – make it easy for customers to bring their data into their unique operational systems for dashboards and visualizations tailor-made for their application.



Full REST API on-board and a Linux-based runtime environment – making it easy to create and configure custom applications.

On device configuration and diagnostic tools – making it easy to set-up and run regular diagnostics.

The future of cost-effective solutions is here, today, with the FreeWave Fusion Satellite Gateway.

<u>Contact FreeWave</u> today to find out how Fusion Satellite can bring connectivity power to systems and operations in your business.



FUSION™ SATELLITE GATEWAY

Technical Specifications

SYSTEM SPECIFICATIONS

Processor NXP i.MX6 Solo

Storage 16GB

Memory 1GB DDR3

Operating System Debian Linux (Runtime

Environment Included)

Connectors Ethernet (RJ45), Serial,

(RJ45), 2xUSB (Type A),

USB (Type C)

Operating Voltage 6-30VDC

Hardware Features Real-time Clock

Breakout Connections UART, SPI, I2C, GPIO

Form Factor 6.5"x2.8"

(DIN Mount Plate Optional)

Temperature -40 to 85C

Current Consumption

Voltage Transmit/Receive Idle 12VDC 465mA 144mA

Regulatory C1D2 Groups A-D, FCC, UL

Max Current Draw 1.3A (Non-Continuous)

Antennas GPS, Satellite
Antenna Connectors SMA Female
Radio Topology Endpoint Only

SATELLITE RADIO

Bit Rate 1kbps

Frequency Downlink: 137-138 MHz
Uplink: 148-150 MHz

Coverage Global

DATA PLAN

Messages750/MonthMessage Size192 Bytes

Data Plan TermOne Year from First MessageCloud StorageOne Year from Purchase

Billing Annual Auto-Renew

