❈ IoT

IoT *Pro*

Medium data IoT, for complex applications

Viasat IoT Pro is the established industry benchmark for higher-throughput, low latency monitoring and control applications over satellite.

Trusted by organizations to deliver mission-critical monitoring and control for 20 years, and built on our leading L-band network, IoT Pro is an IP-service that supports everything from traditional SCADA process control to modern IoT protocols, where it can be used as a gateway to aggregate edge connectivity like LoRaWAN.

With the highest throughput of any of our 'on the move' IoT services, IoT Pro can handle data-hungry applications such as high-volume metering, real-time surveillance and telemetry with ease. Offering a range of data plans that suit anything from low-usage small-scale deployments to pooled data for large-scale deployments, IoT Pro delivers situational awareness and control with flexibility. IoT Pro is easily integrated into the rest of your technology stack and is supported by a range of robust terminals (static, on the pause and on the move).

In action

Use cases

› Equipment monitoring and control
› Weather and environmental monitoring
› Industrial computers (SCADA)
› Edge connectivity backhaul (including LoRaWAN)
› Surveillance video monitoring, e.g. trackside
› Telemetry
› Data backhaul

Industries

› Agriculture
› Electrical Utilities
› Mining
› Oil & gas
› Transport

Features

Global coverage: Operating over the L-band global network, IoT Pro offers up to 99.9% network availability, except in extreme polar regions.

Real-time visibility: Send data at up to 464Kbps with round-trip latency of up to 2 seconds, ensuring real-time visibility of critical data.

Enhanced support: Free firmware updates over our I-4 network, eliminating the need for field personnel to upgrade remote site facilities.

Robust terminals: Supports a wide range of certified terminals for mobile and fixed use, suiting various operational needs.

Benefits

Affordable: Low hardware costs with subscription-based service plans, no minimum connection fee, and minimum billing increments.

Secure: Private network to secure meet-me points, meeting military and government security requirements, and supporting all major VPN products and encryption standards.

Easy integration: Simple setup, integration, and maintenance in the field without specialist technical support.

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Service plans

Flexible plans

› Ideal for a low volume of devices, or if your anticipated data usage per device is very high, very low, or variable (e.g. seasonal).

› Pooling of throughout entitlement across SIMs protects you from bill shock caused by IoT exception events where one SIM is very active and others have minimal throughput: the plan covers total usage, not per-SIM usage.

Shared plans
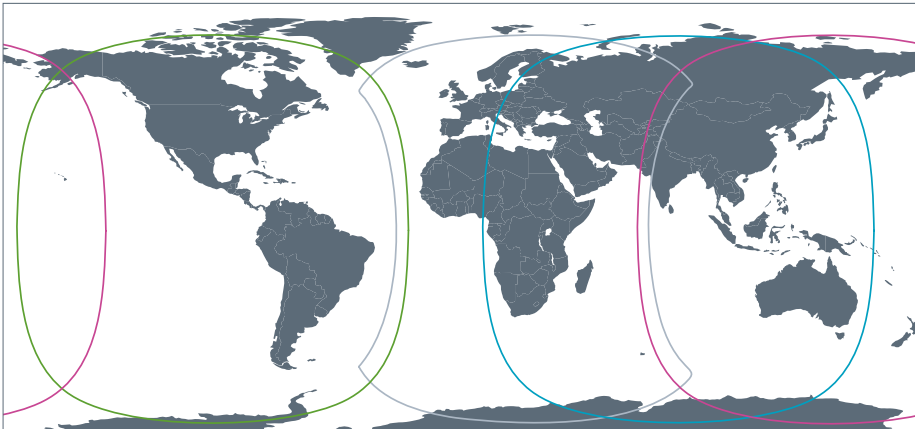
› Ideal for a high volume of devices with average data usage per device.

› An unlimited number of SIMs can be added to a shared plan.

› Billing is the higher of:

   i.   Minimum monthly spend,

   ii.   The total data usage of all devices at the fixed data charge, or;

   iii.   The minimum data allocation per device at the fixed data charge.

› Pooling again smooths out bills.

Broadcast plans

› Ideal for broadcasting messages to multiple devices (e.g. weather reports, remote firmware updates).

For the full range of plans in depth, please contact your Viasat Account Manager.

Coverage map

For illustrative purposes only. Coverage is approximate and subject to change. Not representative of any single product or service.

Band: L-band

In-brief: Flexible, always-on IP connectivity for industrial IoT applications

Customer issue: Remote IoT needs with complex bandwidth or management needs

Throughput (indicative maximum): Up to 448Kbps up and down

Power consumption: Low

Network availability: Up to 99.9%

Mobilitiy: Static, on the pause, on the move

- **Monitoring and telemetry**
- **Control instruction**
- **SCADA compatibility**
- **Speed supports video**
- **Encryption**
- **Secure VPN**
- **GPS and tracking**
- **WAN and LoRaWAN**
- **Real-time / low-latency**
- **Static IP**
- **Flexible service plans**
- **Simple remote maintenance/ configuration**
- **Rugged, low power terminals**

Discover how IoT Pro can enhance your industrial IoT operations with versatile, secure, and affordable connectivity.

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