

The First Choice for IoT



Product Portfolio

IoT Complete



telenor IoT

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# IoT Complete

IoT Complete is Telenor IoT's all-in-one platform for product manufacturers who want to connect devices quickly, securely, and at scale — without building complex infrastructure. It combines certified hardware, global connectivity, device management, and built-in security in one integrated solution, letting you focus on innovation while we handle the technology.

## Seamless Product Connectivity, Simplified

IoT Complete brings together all the essential components of a connected solution — hardware, connectivity, and management — in one integrated platform built for scale.

Instead of long development cycles and complex integrations, IoT Complete lets you focus on your business and customers while we take care of the technology. With zero upfront investment and a “pay as you grow” model, IoT Complete makes it easy to pilot, launch, and scale your connected products worldwide.

### With IoT Complete you can:

- Start connecting products within days, not months
- Eliminate complexity and upfront costs
- Manage devices, connectivity, and data in one portal
- Ensure reliability and compliance with Telenor IoT's global expertise

IoT Complete lets you focus on your business and customers, while we ensure your products stay securely connected throughout their entire lifecycle.

# Key Advantages

IoT Complete is designed to eliminate the barriers that often slow or prevent successful IoT deployments. By replacing fragmented solutions and multiple vendors with one integrated platform, IoT Complete reduces complexity, improves quality, and shortens time-to-market.

## Easy to start

- Connect devices in days with zero-coding setup
- Pre-certified hardware that works out-of-the-box
- No upfront investments or long-term commitments

## Higher quality

- Access to all available mobile networks in each market
- End-to-end monitoring from product to cloud
- Intelligent QoS algorithm to secure the best available network

## Easy to operate

- One accountable partner, one contract, one portal
- Access all services and activate only what you need
- Usage-based commercial model with flexibility to scale or exit anytime

**Focus on your core business** — we handle the tech

**Start faster** with fully integrated, pre-tested solutions

**Improve quality and uptime** with unified monitoring and connectivity

**Simplify operations** through a transparent, flexible service model



# Services

IoT Complete includes a comprehensive suite of services designed to simplify how products are connected, managed, and secured — with the freedom to choose exactly what you need, when you need it. No commitments, no integrations, just a cohesive platform that works from day one.

From device management and global connectivity to built-in security and cloud integration, IoT Complete provides all the tools required to launch and operate connected products at scale. Core functions such as configurable firmware, APN/VPN, remote access, QoS optimisation, and application tools are seamlessly integrated, ensuring every deployment is reliable, compliant, and secure.



## All you need to connect your product

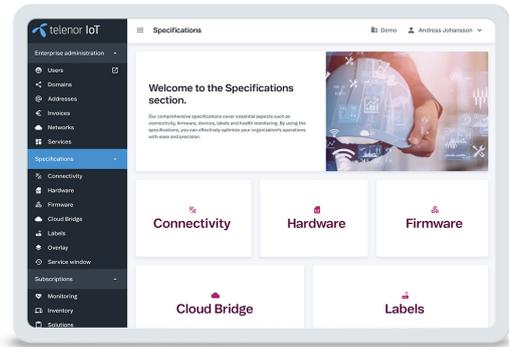
Start fast with no investment and components that already work together





## Management Portal

Your single pane of glass for IoT operations. The Management Portal centralizes control of devices, connectivity, and firmware, making fleet management easier and more transparent.



### Functions:

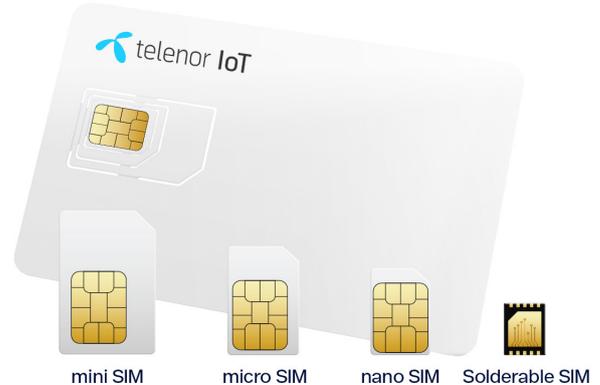
- Order, configure and manage all users, services and subscriptions
- Standard connectivity and device management functionality, all in one place
- Solution concept sets a new standard with graphic overview of your solution
- Build your customized subscription inventory based on labels
- Monitor operational status of your fleet and view details of disturbances
- Set-up firmware and manage over-the-air upgrades
- Flexible domain structure simplifies use across different business units
- Digital tools for cost and usage analysis
- Flexible invoice configuration with split receivers and cost center allocation

**Benefits:** Gives enterprises complete visibility and control of connected fleets, reducing administrative overhead and improving accountability.



## Mobile Connectivity with Global SIM

Reliable connectivity, wherever your products go. Global SIM cards give access to hundreds of networks, ensuring your devices stay connected across borders and markets.



### Functions:

- Range of form factors: Mini, Micro, Nano, Triple-cut, and solderable MFF2
- Mobile network access in 180+ countries with one single SIM
- Multiple operator access in most countries for optimal coverage
- Automatic provisioning at power-on, no manual steps required
- Start-up bundle supports testing and logistics before production use
- Simplified fleet management with customized label concept
- Instant delivery including standard APN with no set-up fees
- Adherence to established GSMA and 3GPP standardizations
- Use with or without IoT Complete devices

**Benefits:** Access to reliable and easy-to-use connectivity wherever your products go, leveraging Telenor IoT global footprint and scale to negotiate data costs with network operators.

# Devices

Developing custom IoT hardware is complex and requires scale to be cost-effective. Manufacturers with limited deployment volumes must instead often rely on generic hardware resulting in higher unit costs and additional integration efforts.

IoT Complete bridges this gap by offering the best of both worlds: secure, pre-certified IoT devices, optimized for mobile connectivity and with plug-and-play support for standard protocols. All of this is delivered without upfront investments, at cost levels normally reserved for high-volume production.

## Functions:

- Certified for US, Canada and Europe (CE, FCC, IC)
- Approved according to EU cybersecurity regulations EN 18031
- MFF2 eUICC sim with multiple profiles
- Range of standard configurations supporting: CAN, RS485, RS232, UART, I2C, SPI, DIO, ADC, PWM, Sensor feed, USB, P1/HAN, GNSS, BLE, Wifi, CAT M1, CAT 4
- Configurable firmware and OTA updates from Management Portal
- Ready for optimized connectivity using Health Monitoring and QoS optimization
- Manufacturing in Europe

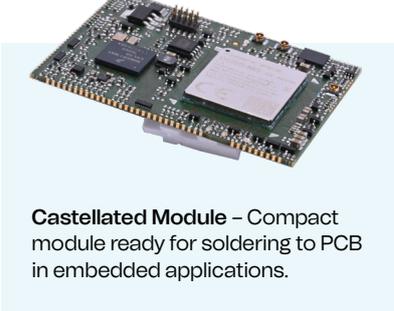
## Various form factors:



**Fully Enclosed Unit** – Device with housing ready for end-user deployment.



**Full PCB Board** – Standalone connectivity board, ready for product assembly.



**Castellated Module** – Compact module ready for soldering to PCB in embedded applications.

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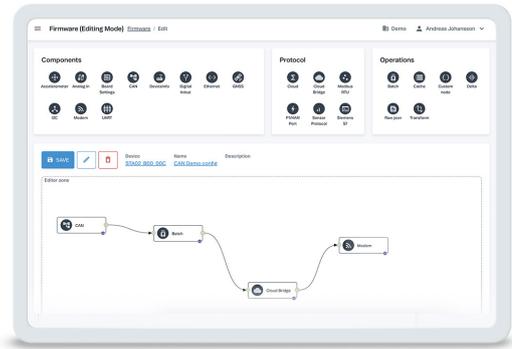
**Benefits:** Accelerated go-to-market using proven and fully integrated infrastructure for connected products. Easy integration of connectivity-ready modules for next generation products to reduce overall investment needs.

# Configurable Firmware

Firmware development and updates made simple. Zero-code setup and over-the-air management make it easy to keep devices current and secure.

## Functions:

- Drag-and-drop firmware editor, no coding needed
- Over-the-air updates fleet-wide or per device
- Configurable service window to control OTA updates
- Easy configuration of common protocols (Ethernet, UART, Modbus, OPC-UA, S7)
- Native support for IoT Complete devices
- Possible to use with customer devices fulfilling certain requirements



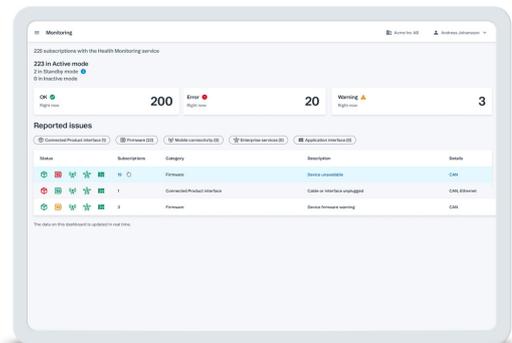
**Benefits:** Accelerated time-to-market for connected products without customized development efforts and full control that devices are continuously up-to-date and secure.

# Health Monitoring

Stay one step ahead of potential issues. Fleet-wide monitoring gives real-time insight of device and service health across all connected products.

## Functions:

- Consume from portal or API subscriptions
- Fleet-wide status dashboards
- Root cause information for disturbances
- Leverage real-time analysis of Telenor's millions of connections.
- Available together with Configurable Firmware



**Benefits:** Helps identify issues faster, minimize downtime, and benchmark your performance against Telenor's global IoT fleet.



## Quality of Service Optimization

Stable service levels in every market. IoT Complete intelligently selects the best available network, keeping devices connected and productive.

### Functions:

- Real-time network quality evaluation
- Automatic profile swap for optimized coverage or roaming in Sweden
- Intelligent selection of network based on device parameters and network signaling data
- Available together with Configurable Firmware

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**Benefits:** Maximizes device uptime and ensures stable service levels even in challenging network conditions.

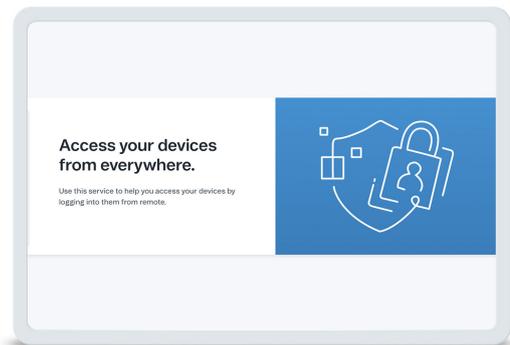


## Remote Access

Secure access from anywhere. Remote Access lets engineers connect to devices in the field, troubleshoot issues, and deliver support without being on site.

### Functions:

- Temporary VPN connections
- Port forwarding to access connected products
- Centralized access rights managed from the portal.
- Available together with Mobile Connectivity



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**Benefits:** Enables secure and efficient remote troubleshooting and management, avoiding setup and management of own solutions.



## Network Services

Simple set-up and management of secure and reliable communication paths for your data including APN, VPN and firewall services.

Enables flexibility to tailor data routing, access, and security to meet the needs of your connected solution. Full overview of your configuration in the Management Portal.

### Functions:

- Standard APN included in the IoT Complete Basic package
- Optional Private APN with VPN enables encrypted point-point connections
- Optional Internet Breakout separates internal and public data traffic
- Firewall and whitelist/blacklist functionality
- Redundant IP Core infrastructure with multiple sites across geographies
- Configure and monitor your networks in the Management Portal

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**Benefits:** Ensures secure, flexible, and reliable data routing tailored to your solution, with full visibility and control directly in the Management Portal.

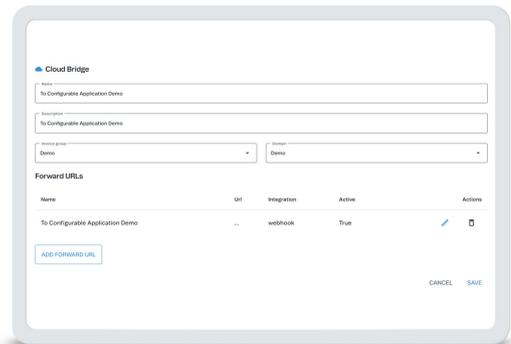


## Cloud Bridge

A digital twin for easier integration. Cloud Bridge is a cloud gateway that simplifies secure data exchange between connected products and enterprise applications.

### Functions:

- Manage secure device authentication to simplify certificate management
- Always responding digital twin between device and customer application
- Supports common device and data protocols
- Capability to split payloads to multiple destinations
- Deployed within Telenor's secure network environment
- Available together with Mobile Connectivity



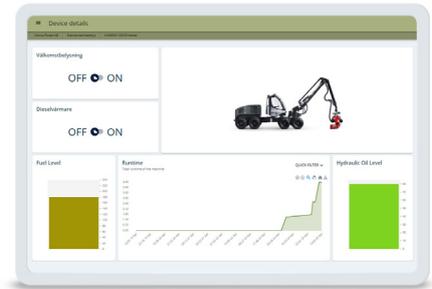
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**Benefits:** Simplifies integration of IoT devices with enterprise cloud systems, reducing the time and effort required to connect IoT data to business applications.



## Configurable Application

Turn IoT data into insights fast with our configurable UX dashboard. This zero-code application builder helps customers visualize data and create dashboards in minutes.



### Functions:

- Configure dashboards with standard widgets (charts, maps, etc.)
- Set up rules, alarms, and geofencing
- Customize branding and layouts
- Fast deployment without development costs

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**Benefits:** Lets products and service teams quickly turn IoT data into actionable insights without relying on software developers.



## Security and Compliance

Security and compliance are top priorities at Telenor IoT, forming the foundation of all our services. We apply Security by Design principles and maintain continuous monitoring by IoT security experts to safeguard customer data and integrity.

Our approach simplifies certification and compliance for customers by leveraging pre-certified components as part of the complete solution.

### Functions:

- Telenor IoT's Information Security Management System is certified to ISO 27001, ensuring robust security governance.
- All services comply with EU GDPR regulations for data protection and privacy.
- Solutions adhere to a comprehensive security framework covering: Logical and physical security; Disaster recovery and Incident response and breach notification processes
- Devices meet RED Directive requirements, including EN 18031 cybersecurity standards, validated by external certification bodies.
- Real-time operational monitoring by IoT security experts to detect threats.
- Legal and security teams track global regulations to keep solutions compliant.

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**Benefits:** Reduces the complexity of certification and compliance, ensuring deployments meet industry and regulatory requirements without additional effort or investment.

# Connect with Us!

IoT Complete is part of Telenor IoT's portfolio of managed services, backed by 20+ years of global IoT expertise and millions of connected devices across the world. Our strength lies in our people – experts who combine deep knowledge with personal, hands-on support that makes working with us effortless. Our customers consistently rate our support and know-how among the best in the industry.

Visit [iot.telenor.com/offering/iot-complete](https://iot.telenor.com/offering/iot-complete) to learn more or get started.