



telna

WWW.TELNA.COM

ABOUT TELNA

Telna is a leading global connectivity company, enabling IoT and M2M implementations anywhere in the world. Our global mobile network covers 200+ countries with 800+ network agreements. We reduce complexities with our intelligent, agnostic end-to-end solutions that enable complete control and flexibility as well as reliability and scalability for enterprises. We help our partners find new revenue streams, go to market faster, and deliver maximum value with customized IoT solutions.

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SUSTAINABLE CELLULAR CONNECTIVITY PLATFORM

Telna enables IoT/M2M connections, anywhere in the world.



Multi-network connectivity in 200+ countries



Cloud management platform, and API orchestration

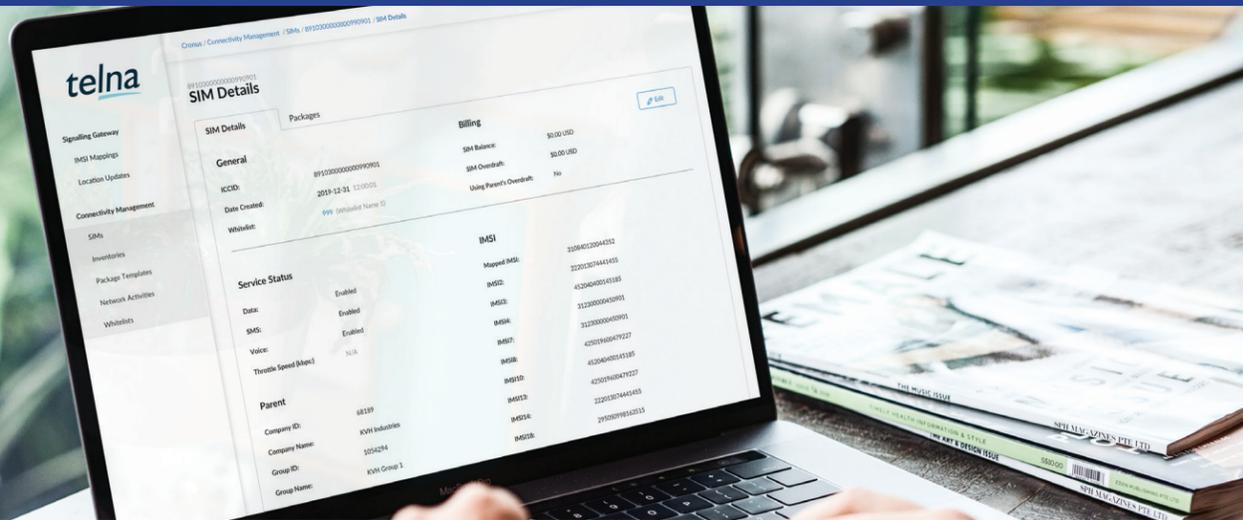


Support for 2G / 3G / 4G LTE / LTE-M. 5G compatible core



Consumption-based flexible pricing models

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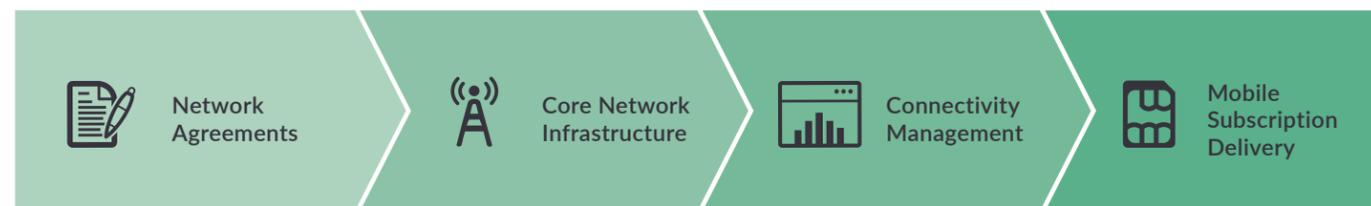


Network Infrastructure

Telna's software defined network utilizes hybrid cloud infrastructure, enabling Cronus to support customized use-cases with lower latency and improved data performance.

- 6 geo-located points of presence (PoP)
- IPsec gateway and network firewalls
- Secure routing of data traffic
- Automated virtual private network and IP management
- Static public / private IP assignment

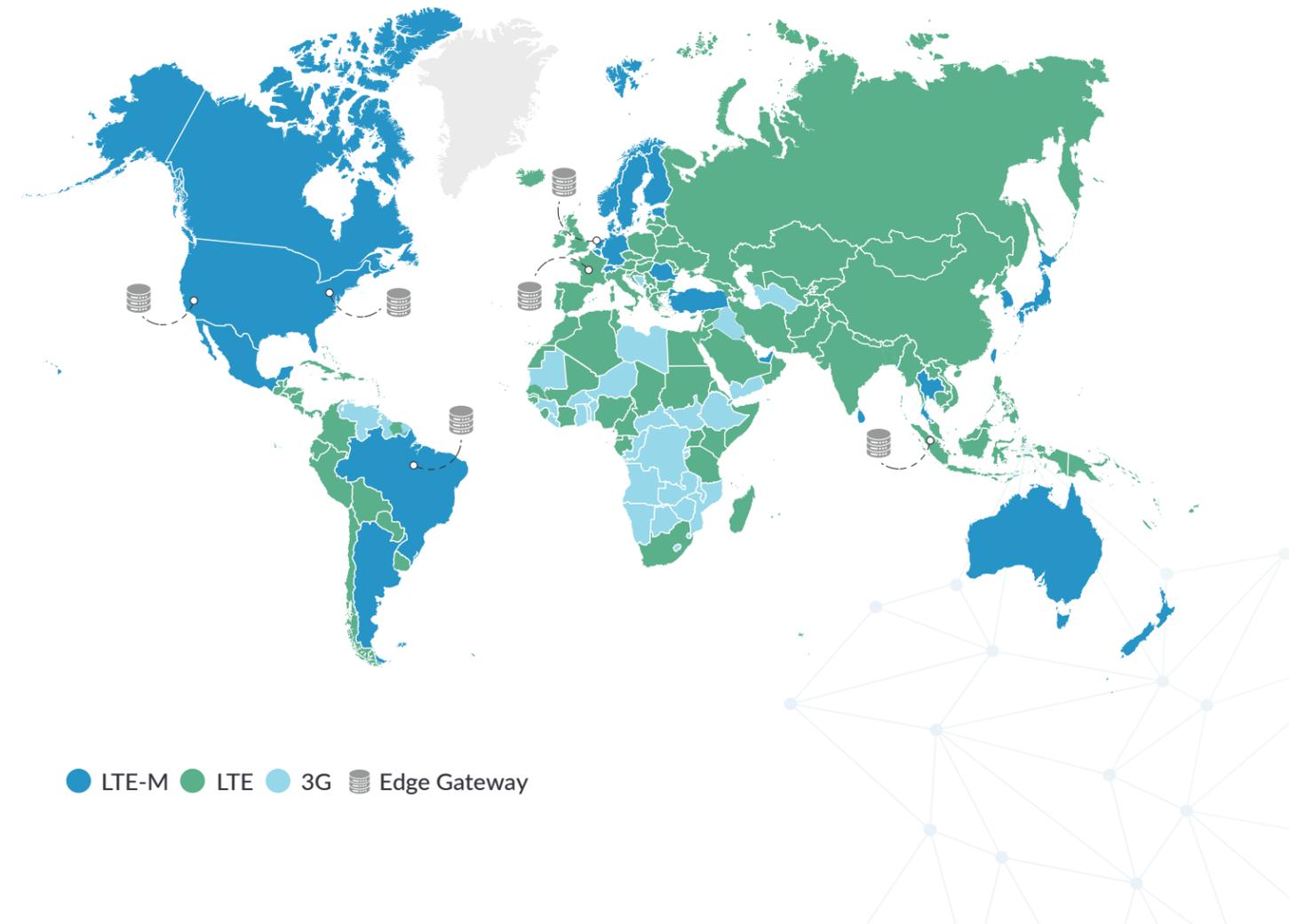
Cronus enables global end-to-end connectivity solutions for IoT/M2M, MVNOs and eSIM platforms. It provides network as a service (NaaS) by combining extensive APIs with Telna's broad connectivity portfolio and is designed for self-management through a modern web interface.



Cellular Connectivity Platform

Cronus operates on Telna's network, which manages its own mobile infrastructure and direct access agreements with 800+ networks worldwide. It can co-exist with any existing infrastructure by allowing both RESTful APIs and signalling-based (SS7/GTP/Diameter) integrations. Telna's multi-IMSI Connectivity Hub provides:

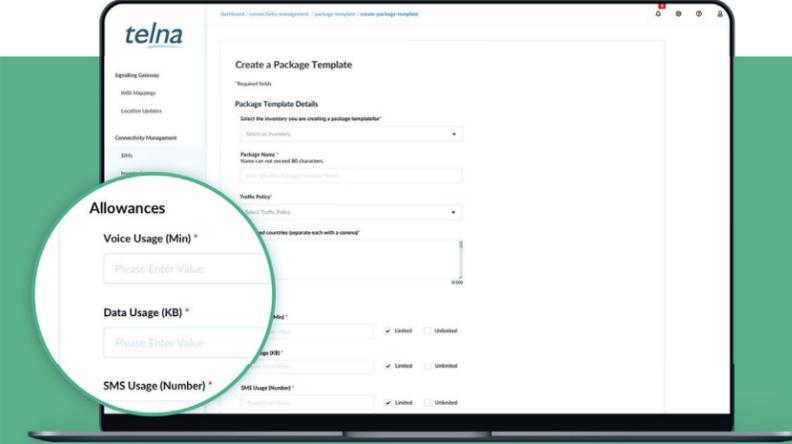
- 20+ IMSI profiles for multiple markets globally
- Coverage in 200+ countries and territories
- Support for voice, SMS and data on 2G / 3G / 4G LTE / LTE-M
- The largest LTE-M coverage around the world
- Local IMSI profiles in **Brazil, China, USA** and more



● LTE-M ● LTE ● 3G ● Edge Gateway

Self Management

Cronus provides API front-end connectivity management, allowing businesses to oversee and control their networks and devices in real-time.

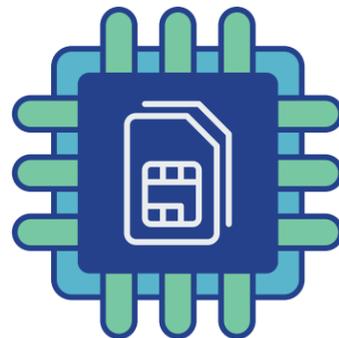


- Create customized packages, rate sheets and whitelists
- Online Charging System (OCS) and billing service
- Set activation rules and throttling policies
- Automate private network routing
- Monitor network activities, services and IMSI profiles

Delivery Mechanisms

Cronus provides flexible delivery mechanisms and managed solutions for consumers and specialized applications enabling:

- Remote over-the-air (OTA) SIM management
- Support for different form factors 2/3/4FF
- eSIM solutions and eSIM profiles
- Programmable SIMs
- Proprietary Telna SIM Operating System & iUICC
- Local IMSI profiles



Use Cases

	Bootstrap & Operational Profiles	Signalling	Network Infrastructure	API / CMP	Delivery Management
IoT / M2M	✓		✓	✓	✓
MNO	✓	✓			
MVNO	✓		✓	✓	✓
eSIM provider	✓		✓	✓	
OEM	✓		✓	✓	✓

Qualified Technical Support 24/7

Telna's network operation center (NOC) team is equipped to assist with high-performance networks and queries.

Customers can create tickets through the Cronus portal and directly interact with our support agents who are available 24/7 for assistance.



IoT Cellular Connectivity for System Integrators

IoT Global Deployments

IoT and M2M businesses require the ability to offer services on a global scale. Thus, the absence of permanent connectivity is a barrier. There are several options to support global IoT/M2M deployments:

 <p>PERMANENT ROAMING Use of standard roaming agreements to serve M2M</p>	 <p>AFFILIATE ROAMING Use of a group profile to access other group properties</p>	 <p>LOCAL PROFILES Use of a local profile in each country</p>
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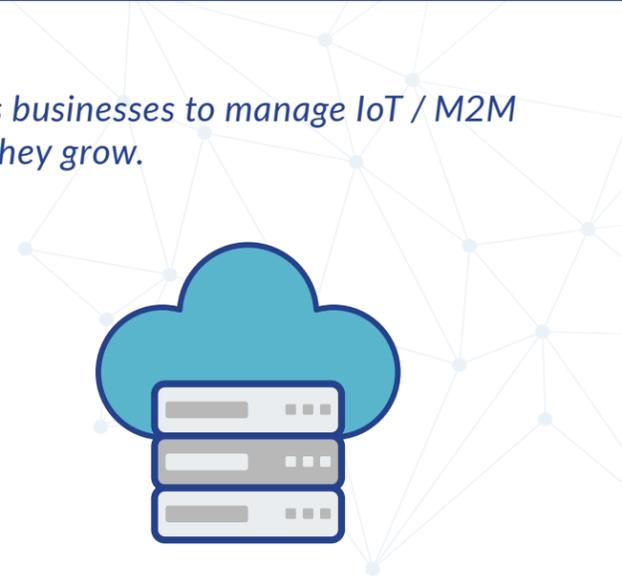
Telna's IoT connectivity solution goes beyond current market solutions by enabling localization, which allows legitimate traffic in compliance with all regulations.



Telna makes IoT easy! Its cloud-based platform allows businesses to manage IoT / M2M devices globally, reach the market faster and scale as they grow.

Seamless Integration

Telna's network as a service (NaaS) model allows the integration of existing infrastructure to support all IoT use-cases.



Simplified IoT SIM Management

Telna's SIMs can be securely and remotely provisioned over-the-air to leverage local network profiles.



Customized Solutions

Telna's platform supports all industry SIM form-factors. **White label** solutions are also available for customers to build and resell under their brands.



Flexible Business Models

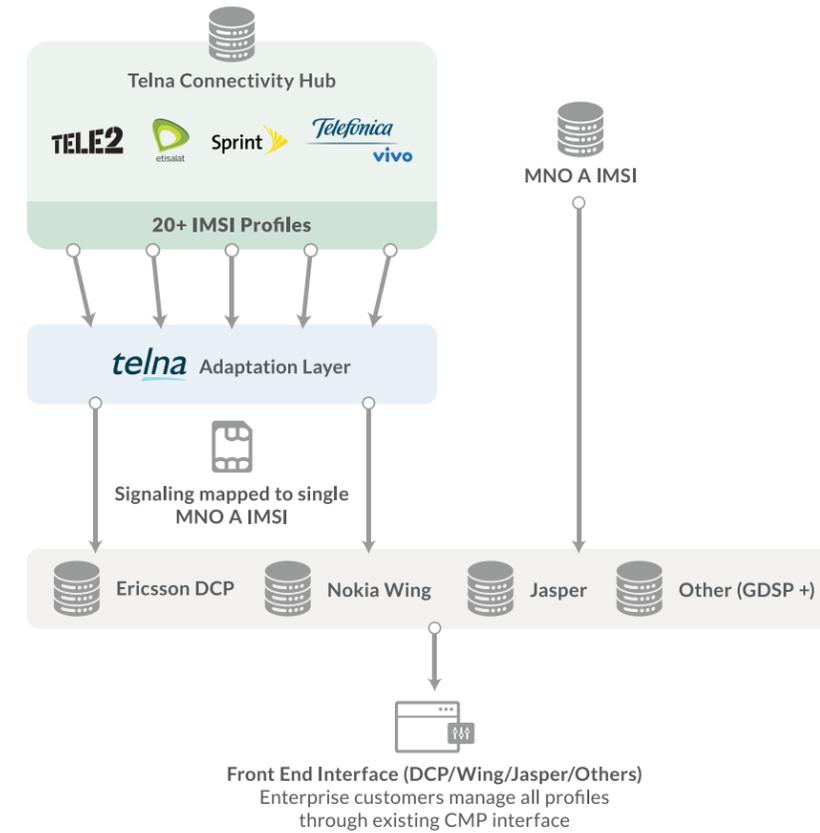
Telna's consumption-based rates and universal billing system helps businesses to optimize ROI on all IoT projects.

IoT Localization for Mobile Network Operators

Telna's regulation compliant solutions provide permanent connectivity for M2M/IoT applications. It enables Mobile Network Operators to offer value-added services and generate new revenue streams.



With a single integration with Telna's Connectivity Hub, Mobile Network Operators can have instant access to 20+ IMSIs for M2M/IoT deployments.

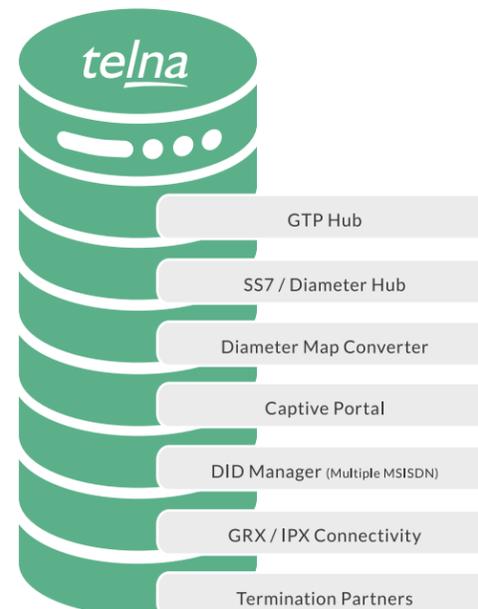


- ✓ Time-to-Market
- ✓ Improved Performance
- ✓ Operations Efficiency

Seamless Integration

Telna's proprietary multi-IMSI Hub enables seamless exchanges at the signalling layer.

- Multiple IMSIs from different countries
- Customized network deployments
- Single IMSIs transform into multi-IMSI networks
- Multi/dual-IMSIs integrate into native SIM Cards
- Billing management through BSS/OSS



How does the Connectivity Hub benefit MNOs?

- 1** Arrange contracts directly with Hub members in compliance with commercial and regulatory obligations
- 2** Generate new revenue by offering profiles to Hub members
- 3** Single pane of glass billing and integration with no platform changes as Hub members are added
- 4** Retain billing with enterprise customers as they expand globally



eSIM for IoT / M2M

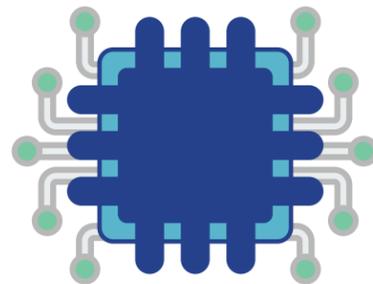
Telna's eSIM provides flexibility and scalability for IoT global deployments. Customers can securely connect their devices to local networks around the world with no physical SIM card required.

The eSIMs are programmable over-the-air, which allows customers to support current demands by seamlessly transitioning between various network subscriptions in real time.

Telna's eSIM offers complete connectivity with 2G, 3G, 4G, LTE and the largest LTE-M coverage. This flexible solution provides ease of use so that companies can focus on scaling their businesses.

Telna provides eSIM local profiles for multiple markets with:

- Unified global cellular connectivity
- Centralized cloud-based management
- Aggregation of IMSIs
- The broadest LTE footprint in the world
- Ability to deploy devices closer to each MNO



eSIM for Consumers

Freedom to access multiple cellular networks without SIM cards

Telna's global and local eSIM data plans are available for eSIM compatible devices. The eSIM profile is delivered to the device over-the-air (OTA) by scanning a QR Code.

Customers can add, remove or change networks and data plans instantly. They can store and seamlessly transition between multiple subscriptions and profiles to suit their needs.

- Connect to the fastest 4G LTE/3G cellular data networks
- Coverage in 200+ countries and territories
- No SIM Cards or contracts required
- Switch between the home carrier and other networks instantly
- Activate and adjust data as necessary

White Label Solutions

Telna's eSIM plans are available for customers to resell and manage under their brands.

