

Use case: BICS IoT solutions for medical devices

The challenge

To improve patient outcomes, prevent hospital admissions, and integrate new technologies into the healthcare industry, medical devices must be supported by reliable and secure global IoT connectivity.



Customer context

- IoT in healthcare market size to grow to **\$446 billion in 2028**
- Number of connected medical devices expected to reach over 50 billion in next decade
- Healthcare connected devices market to reach **\$60 billion by 2027**



Medical devices applications

- **24/7 remote monitoring** of patient data
- Real-time detection and alerts
- Integration with first responders' systems
- **Environmental monitoring** for patients
- Voice and SMS communications



IoT connectivity requirements

- **Cross-border, multi-network coverage**
- VoIP and SMS capabilities via a dedicated app
- Connectivity with numerous devices and services
- Real-time management, control, and monitoring
- Local numbers



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The solution

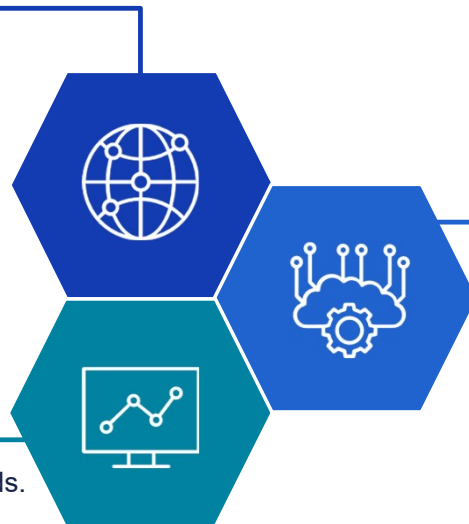
BICS SIM for Things, combined with virtual mobile numbers, offers reliable worldwide coverage and international inbound calling capabilities for connected medical devices.

Reliable connectivity everywhere

- Highly reliable connectivity to ensure patient safety at any location
- Provision of redundant connections to ensure always-on connectivity

Simple management

- A single provider for all global connectivity needs.
- Market-leading management portal



Remote contact

- VoIP connections integrated into medical devices
 - no need for pre-paid SIMs
- Local numbers
 - enhance patient connectivity
 - compliant with all regulations as standard

Results

- Comprehensive global connectivity for all connected healthcare applications
- Real-time monitoring for patient welfare
- Built-in voice capabilities to improve the patient experience
- High-quality, uninterrupted connectivity