

Telehealth Application Kit

Cloud-Enabled Reference Design for Telehealth Applications

Overview

The Telehealth Application Kit enables the creation of secure, highly scalable cloud-connected healthcare gateway solutions right out of the box. Based on the Freescale® Semiconductor Home Health Hub reference design, this kit brings wireless and wired connectivity to a wide array of healthcare devices and sensors. Device Cloud by Etherios™ provides remote management and secure data integration capabilities, allowing customers to build innovative and connected telehealth solutions for the medical and healthcare market.

About Telehealth Application Kit

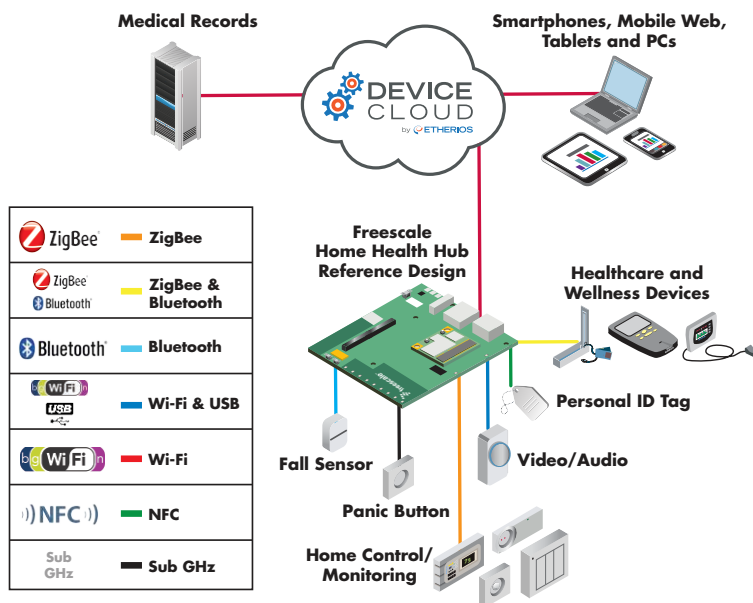
The Telehealth Application kit is the ideal reference platform solution for all product developments targeting the rapidly growing market for remote care and monitoring.

The kit comes ready for application-specific customization, providing a fully functional reference implementation of a healthcare gateway with complete wired and wireless connectivity. The integrated interfaces include Ethernet, 802.11b/g/n Wi-Fi, Bluetooth, ZigBee, configurable Sub-GHz radio, NFC, USB, audio and LCD/touch screen option.

Getting started is easy. The kit includes Home Health Hub reference design circuit board, panic button, power supply, connector cables and quick start guide, as well as downloadable software, documentation and sample applications. The kit offers support for Microsoft Windows Embedded Compact 7 and Linux. Complete design files, including schematics, BOMs and layout are available to customers.

Device Cloud enables centralized management for the gateway and offer cloud-based data aggregation and processing. Security is ensured via a comprehensive security policy consisting of individual controls based on the definitions of the CSA, ISO27002, NERC CIP, PCI and HIPAA standards. These controls are enforced with active monitoring tools and verified with continuous policy compliance audits.

Digi also offers complete application development services as well as wireless and hardware design services through Wireless Design Services by Etherios. From customization to complete production readiness, working with Digi as a single vendor reduces your design risk dramatically and accelerates time-to-market.



Features/Benefits

Fully functional gateway reference design kit

Built-in Device Cloud services

Integrated wired and wireless connectivity options

Software platform choices

Digi professional application design services

Wireless product design and customization services

- Immediate proof-of-concept of gateway platform with optional display integration
- Dramatically shortened time-to-market and significantly reduced design risk
- Scalable device cloud solution allowing secure sharing of and access to information anytime, anywhere
- Complete connectivity options to wired and wireless medical devices and sensors
- Integrated Ethernet and Wi-Fi capabilities for network and Internet connectivity
- Microsoft Windows Embedded Compact 7 and Linux BSP support included
- Complete M2M web and mobile application development services save time and resources
- Turnkey wireless product design services allowing customers to focus on core expertise



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