



ZigBee Health Care

FEATURES

Aging Independently

- Enables reliable remote patient monitoring
- Maintains freedom of mobility
- Offers safety and activity monitoring sensors for home and professional use
- Provides real-time location capabilities

Chronic Disease Management

- Offers prompt feedback for better self management
- Enables collaboration between devices for managing multiple chronic diseases
- Connects a myriad of devices that may be required in professional settings

Health and Wellness

- Offers body-worn sensors for sports and fitness
- Features precision time stamps for synchronization and high accuracy monitoring
- Optimize application data rates for all types of fitness equipment
- Enables streaming, store-and-forward & burst communication modes

Supported Devices

- Full support for IEEE 11073 device specialization profiles
- Medical devices such as glucometer, pulse oximeter, electrocardiograph, weight scale, thermometer, blood pressure monitor, respirometer
- Non-medical devices including social alarm device, personal activity monitor, pill minder, independent living activity hub, fitness equipment
- Data management devices such as mobile phones, PDAs, PCs and notebooks
- In-home data management using low-cost standalone devices such as refrigerator magnets and bedside/desktop health displays

Customizable Security

- Offers out-of-box security for easy use
- Conforms with regional regulatory environments
- Supports access control for consumer, service provider, care provider, or shared networks
- Features scalable support for data security and privacy
- Efficient key generation, distribution and management for home and professional settings

ZigBee Technology

- Long battery life from low-cost coin cells for wearable devices
- Wireless range up to 70m indoors and 400m outdoors with full control of transmitted output power
- Networking flexibility to cover entire campuses
- Open and freely available specification based on international standards
- Supports multiple network topologies encountered in home and professional settings
- Highly scalable solutions for thousands of devices
- Enables home televisions to display data from medical and non-medical devices
- Integrates control and monitoring devices for lighting, security, occupancy, motion detection and convenience



ZigBee Health Care

ZigBee Health Care provides a global standard for interoperable wireless devices enabling secure and reliable monitoring and management of non-critical, low-acuity healthcare services targeted at chronic disease. It promotes aging independence, overall health, wellness and fitness by providing more information about one's state of health.

Designed for use in homes, fitness centers, retirement communities, nursing homes and a variety of medical care facilities. It also supports the needs of a diverse and global ecosystem of consumers, service providers, care providers, payers, product manufacturers and policymakers.

ZigBee Health Care will help people live healthier, happier independent lives. It lowers healthcare costs by promoting wellness, fitness and reducing in-patient stays, without sacrificing convenience or mobility.

BENEFITS

Affordable

- Reduces healthcare costs by eliminating need for inpatient hospitalization
- Promotes self care, independent living, wellness and fitness
- Open standard supports competitive marketplace of multiple products that lowers cost through competition

Easy

- Wireless technology eliminates cost and hassle of running wires
- Certified interoperability, global 2.4GHz spectrum simplifies installation and operation
- Automatic features simplify use
- Internet connection for greater access and control

Secure

- AES 128 encryption secures personal information
- Regional regulatory compliance simplifies implementation

Interoperable

- Integrates control and monitoring devices for lighting, security, occupancy, motion detection and convenience
- Enables home televisions to display data from medical and non-medical devices
- Interoperability between a variety of medical and non-medical devices with data management devices regardless of manufacturer