Enabling Secure and Reliable Wi-Fi® Connectivity in Medical Equipment

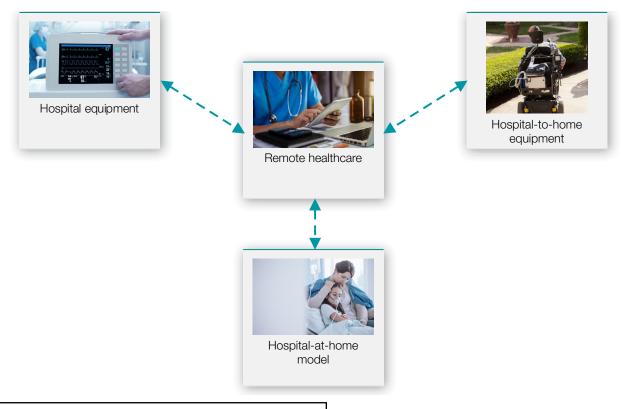
The need for Wi-Fi® connectivity in medical equipment is becoming more prevalent driven by the increasing awareness and acceptance of remote healthcare practices.

To meet the growing demand of remote healthcare Wi-Fi technology is used to connect the medical equipment, like patient monitors and imaging devices, to cloud-based patient management systems, allowing healthcare workers to remotely monitor and diagnose patients. Wi-Fi is also utilized in medical equipment that enable hospital-to-home or hospital-at-home healthcare models.

As more medical equipment is being designed for both in-hospital and hospital-to-home requirements, key Wi-Fi features like security and 2.4-GHz and 5-GHz band operation are becoming common requirements.

TI offers a <u>broad portfolio</u> of security-enabled and reliable Wi-Fi solutions with advanced features tailor-made for medical. With a wide install base and years of experience supporting medical equipment manufacturers, TI is a strong long-term partner for the Wi-Fi connectivity needs in your medical design.

Key features	Benefits
Dual-band Wi-Fi	2.4-GHz and 5-GHz capabilities for reliable Wi-Fi in congested RF environments like hospitals.
Security	WPA3 security for personal and enterprise networks. FIPS 140-2 validated cryptographic modules help reliably secure data.
Roaming	Enable Wi-Fi devices to quickly hop between access points of an enterprise network in a seamless manner, allowing continuous and smooth network access by the medical equipment as it moves from one area to another.
Certified modules	Regulatory certified (FCC/IC/CE and TELEC) for design simplicity and fast time to market.
Bluetooth® Low Energy coexistence	Optimize throughput between 2.4-GHz technologies with the single-chip Wi-Fi + Bluetooth Low Energy coexistence in WiLink™ 8 modules and coexistence mechanism in the CC3235 wireless MCU .
TI reliability and longevity	TI Wi-Fi solutions are extensively tested with 220+ commonly used access points to ensure a high degree of interoperability. TI's own multiple manufacturing sites help reliably supply products over the long term.



Explore the product line

Certified modules Wi-Fi security

WL1837MOD CC3235MODSF CC3135MOD WL1807MOD WPA3 for Wi-Fi FIPS 140-2 validation

www.ti.com/WiFi





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