

CONNECTCORE® 6 FOR HEALTHCARE APPLICATIONS

Making Connected Healthcare a Reality for Clinics, Hospitals and Homes

Digi's ultra-compact, low-power, highly integrated system-on-module (SOM) solution provides a range of connectivity options. The result: Cost-efficient designs, faster time-to-market and reliable long-term operation in a range of medical devices.

The Innovation Device Manufacturers Need

In the medical devices market, innovation is critical. From diagnostic terminals, infusion pumps and automatic external defibrillators to fitness equipment and tele-health systems, manufacturers strive to achieve:

FASTER TIME TO MARKET

Regulatory hurdles lengthen product-development cycles. Device makers want proven, approved components so they can bring products to market faster.

CONNECTED HEALTHCARE

Connected healthcare devices—that can be accessed remotely or tie into EMR systems—improve patient outcomes, accelerate payment cycles and ensure accurate cost capture.

SIMPLICITY

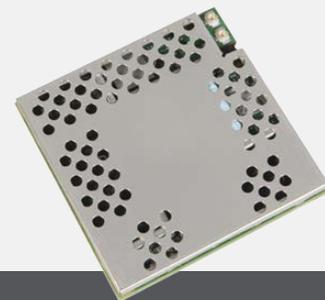
Sophisticated devices require simpler interfaces. Arcane codes and keypads are shifting to visual displays and touchscreens—requiring greater computing power.

RELIABILITY AND LONGEVITY

Medical devices must withstand daily intensive use in critical situations over a period of years. Manufacturers need stable, long-term availability of components and parts to ensure a lengthy product lifecycle.

ConnectCore® 6 Value for Device Manufacturers:

- Highly integrated, ultra-compact form factor
- Complete system-design flexibility
- Scalable future-proof wireless system building block
- Dramatically reduced design risk and effort
- Faster time to market
- Designed for reliability and longevity
- Guaranteed long-term availability for embedded designs
- Backed by a company with a 15-year track record of supporting medical-device makers



ConnectCore 6: The Scalable, Wireless, High-Performance SoM

Based on the NXP i.MX6 processor, this surface-mount module offers an ultra-compact, highly integrated embeddable computing solution. With speeds up to 1.2 GHz and fully pin-compatible, single-/dual-/quad-core variants, the ConnectCore 6 offers a future-proof solution with scalable performance and pre-certified wireless 802.11a/b/g/n and Bluetooth 4.0/Bluetooth LE connectivity. ConnectCore 6 is the ideal SOM solution for a wide variety of institutional and home healthcare applications.

DEFIBRILLATORS: ConnectCore 6 helps accelerate time to market for systems that meet strict requirements and provide superior user experiences. These devices use local wireless networks where they are located (such as corporate buildings, airports, malls and casinos), so you can monitor operational status (e.g., battery life) and proactively prevent equipment failures. Excellent power management means superior operational readiness, long life and greater reliability.



CART ON WHEELS: These wireless, battery-operated mobile nursing stations use visual displays (with keyboards or touchscreens) for EMR access/updates, CPOE, medication administration, vital-sign capture, lab results and more. ConnectCore 6 provides location awareness/asset tracking, battery readings and other status info for these carts as well as the ability for device manufacturers to design intuitive user interfaces for clinicians.

PULSE OXIMETERS: The built-in intelligence, network connectivity and graphical capabilities of ConnectCore 6 translate into a better user experience, secure integration into hospital networks, and integration with additional applications and features. Battery-powered designs can support mobile/semi-mobile models.

SMART HOSPITAL BEDS: Hospital beds now house sophisticated patient diagnostics and metrics. ConnectCore allows manufacturers to build smarter beds that provide integrated weight measurements, occupancy tracking, patient entertainment, environmental controls and more. Wireless integration (via Bluetooth) is also possible.

SMART INFUSION PUMPS: Infusion pumps created by medical device manufacturers using Digi products alert clinicians if they're programmed to over- or under-deliver drugs to a patient. Secure wireless connectivity provides seamless integration into a hospital's network and helps ensure that the pump's internal drug library data is up to date. Network connectivity can also trigger alerts on pump maintenance issues and provide centralized asset tracking of pumps dispersed throughout a hospital.

For more information on how Digi's ConnectCore solutions can bring smart innovation to your healthcare device designs, visit www.digi.com/cc6.

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