Expanding the power of telemetry.

Telemetry is an important technology in today’s healthcare environment. With patient safety and outcomes among your primary concerns, the GE Healthcare ApexPro® FH telemetry system delivers exceptional reliability and clinical technology that helps to reduce the possibility of transmission interference, dropout and downtime.

ApexPro FH offers an expansive and scalable telemetry option designed to support the largest healthcare enterprises. ApexPro FH works seamlessly with CARESCAPE™ Enterprise Access. This powerful combination provides a coverage area of up to 1.2 million square feet, enabling you to monitor up to 640 patients across the enterprise.

As part of GE’s comprehensive wireless solution, ApexPro FH delivers the relevant clinical intelligence to help caregivers respond to critical situations faster and work more productively. ApexPro FH relies on an exceptional, bi-directional networking infrastructure operating in the Wireless Medical Telemetry Service (WMTS) for dependable communication of vital patient information. An access point-based, Frequency-Hopping Spread Spectrum (FHSS) infrastructure provides you with the capacity and flexibility to meet your telemetry demands.

ApexPro FH works seamlessly with CARESCAPE Enterprise Access, giving you the option to unite clinical intelligence across the enterprise under one halo of wireless coverage. This single-infrastructure approach gives you more flexibility to deploy ApexPro FH telemetry wherever you need it.

Together with the comprehensive GE Healthcare suite of mobile, remote and bedside monitoring technologies, ApexPro FH helps you deftly manage Clinical Information Logistics™ across the enterprise by delivering information to the critical point of clinical decision-making.
CARESCAPE Mobile Viewers™ connect patients and caregivers virtually any time and place by enabling remote viewing of telemetry information on laptops, PDAs, Tablet PCs, or cell phones.

CARESCAPE CIC Pro central station enables you to centrally manage patient information gathered from any patient monitor on the CARESCAPE Network. In Combination Mode, a Dash® or Solar® monitor at the bedside can display ApexPro FH telemetry waveforms alongside other vital signs, saving the time and inconvenience of disconnecting and reconnecting the patient ECG leads from bedside monitor to telemetry. In Rover Combo Mode, a wireless Dash monitor and ApexPro FH telemetry together create a powerful mobile monitoring solution. ApexPro FH telemetry enables patients to ambulate while still being safely monitored for important ECG arrhythmia events.

ApexPro FH can be used effectively for either centralized or decentralized monitoring. Because telemetry data is accessible enterprise-wide, patients can be placed flexibly throughout the organization while being monitored with ApexPro FH. Nurses are freed to focus on patient care with the confidence that their patients are receiving continuous, quality monitoring.

Whether you choose centralized or decentralized monitoring, ApexPro FH can support your hospital protocol for continuous patient surveillance.

Compatible with CARESCAPE Enterprise Access, ApexPro FH provides a WMTS-protected, wireless patient monitoring system that helps to protect against signal interference and dropout. The powerful ApexPro FH infrastructure uses up to 250 access points for a coverage area of up to 1.2 million square feet. The FHSS technology reduces the possibility of transmission interference in any RF environment. These advanced technologies help ensure the most reliable signal for every monitored patient.

With ApexPro FH, vital patient details are available through a variety of information viewing devices to enable constant vigilance and workflow flexibility. When clinical intelligence can be accessed in so many convenient ways, caregivers are empowered to respond quickly to critical situations and take appropriate action.

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The foundation for clinical quality.

Patient safety and outcomes are among your top priorities. ApexPro FH helps address both with exceptional detection and analysis of patient data to help you monitor your patients’ status more fully and accurately.

- ApexPro FH uses the GE EK-Pro clinical algorithm, which processes and analyzes four independent, simultaneous ECG leads. Plus, an innovative Smart Leads Fail feature significantly reduces false ECG alarms.
- With GE EK-Pro, ApexPro FH supports advanced atrial fibrillation detection and alarming. Early and accurate identification of AFib may help prevent this arrhythmia from becoming chronic.
- ApexPro FH supports the acquisition of six frontal plan leads and two precordial leads on each patient. Caregivers can be vigilant for both arrhythmias and ST segment changes through a better picture of the patient’s heart.
- Pace detection across two vectors improves the system’s ability to see and recognize a wide variety of pacemakers.
- The flexible design of ApexPro FH allows each transceiver to monitor only the parameters each patient requires. Continuous monitoring of ECG and SpO2, and episodic monitoring of NIBP and temperature allow caregivers to tailor monitoring according to the patient’s acuity.

Based on results of a scientific study, GE EK-Pro v11 arrhythmia analysis software outperformed that of a leading major competitor on several key metrics:

Patient monitoring no longer operates in a silo. Ease of use and continuous, connective flow of patient data across your entire enterprise help make wireless patient monitoring simpler and more efficient. ApexPro FH puts vital information in caregivers’ hands wherever they are, at the moment they need it most.

Designed to be both backward-compatible and forward-flexible, ApexPro FH enables you to extract maximum value from your telemetry system while helping protect your investment over time. This accommodates today’s requirements while allowing for the capacity for future expansion.
About GE Healthcare

GE Healthcare provides transformational medical technologies and services that are shaping a new age of patient care. Our broad expertise in medical imaging and information technologies, medical diagnostics, patient monitoring systems, drug discovery, biopharmaceutical manufacturing technologies, performance improvement and performance solutions services help our customers to deliver better care to more people around the world at a lower cost. In addition, we partner with healthcare leaders, striving to leverage the global policy change necessary to implement a successful shift to sustainable healthcare systems.

Our “healthymagination” vision for the future invites the world to join us on our journey as we continuously develop innovations focused on reducing costs, increasing access and improving quality and efficiency around the world.

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