

WiPoint™ iOs Receiver App – HR1130

Reference design application
for tablet-based real-time monitoring.



HMicro's HR1130 WiPoint iOS App is a real-time physiological receiver application that runs on an iPad for clinical quality monitoring of multi-lead ECG and respiration signals and is designed to work with HMicro's HP111x biosensor patch reference product design. The biosensor patch worn on a patient's chest wirelessly transmits the physiological data to an iPad over a Wi-Fi network in which both the iPad and WiPoint Biosensor Patch are client devices. The WiPoint iOS App displays the streaming ECG and respiration waveforms of the patient, along with numeric heart rate and respiration rate data. The user interface of the application also facilitates locating and pairing with the HP111x WiPoint Biosensor Patch wirelessly and securely, and provides the ability to customize the network connectivity parameters of the patch.

Target Applications

- Hospital-based patient surveillance monitoring
- Telehealth and telemedicine remote monitoring

Key Features

- Displays multi-lead ECG and respiration data waveforms with clinical accuracy, along with heart rate and respiration rate
- Wi-Fi radio based robust and secure wireless monitoring
- Simple 2-touch pairing scheme that finds and connects the desired biosensor patch to the WiPoint App via Patch-ID visual matching by healthcare professional
- User-adjustable visual alert controls for high and low heart rates.
- Visual alarm for “lead off” condition.

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