

WiPoint™ Mobile Receiver – HR1120

On-the-go patient physiological data storage and communication.



HMicro's HR1120 WiPoint Mobile Receiver is a small portable data storage and gateway device that pairs with WiPoint Chip enabled biosensor patches such as WiPoint HP111x biosensor reference product design to provide a complete ambulatory solution for continuous remote patient monitoring. The receiver continuously collects physiological data, like multi-lead ECG from biosensors using the multimode radio link of WiPoint, stores data in memory, and transmits it via USB or wireless connection to a cloud or host platform.

Desired analytics can be directly implemented on the HR1120 Receiver by using the on-board application processor. Alternatively, data can be pushed to thick-client or cloud back-end applications for analysis, clinical reporting, and integration with electronic medical records.

The reference design is targeted for volume production by HMicro's world-class contract manufacturer to closely support OEM customers and reduce time to market.

Target Applications

The HR1120 WiPoint Mobile Receiver, when matched with a WiPoint Chip-enabled biosensor patch, can be integrated with complementary systems and analytics capabilities to provide a remote monitoring solution for segments such as the following:

- Ambulatory cardiac monitoring – Holter monitoring & event monitoring
- Post-hospital discharge monitoring
- Telemedicine screening – rural & hard to reach populations
- Personal wellness and health monitoring

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Key Features

- Multi-band/multi-standard radio provides robust and secure wireless link that continuously collects patient data from biosensors
- Select clinical signal processing and storage capability
- Portable, lightweight & durable design for ambulatory use
- Intuitive user interface for efficient patient-test set up, operation verification, and patient use