

## ➔ Patient Monitoring

A variety of portable, single and multiple-parameter monitors have emerged over the last few years that measure blood pressure, glucose levels, pulse, tidal carbon dioxide and other biometric values. Patient monitors are portable, flexible devices that can be adapted to a wide range of clinical applications and support various wired and wireless interfaces.

### Key Features

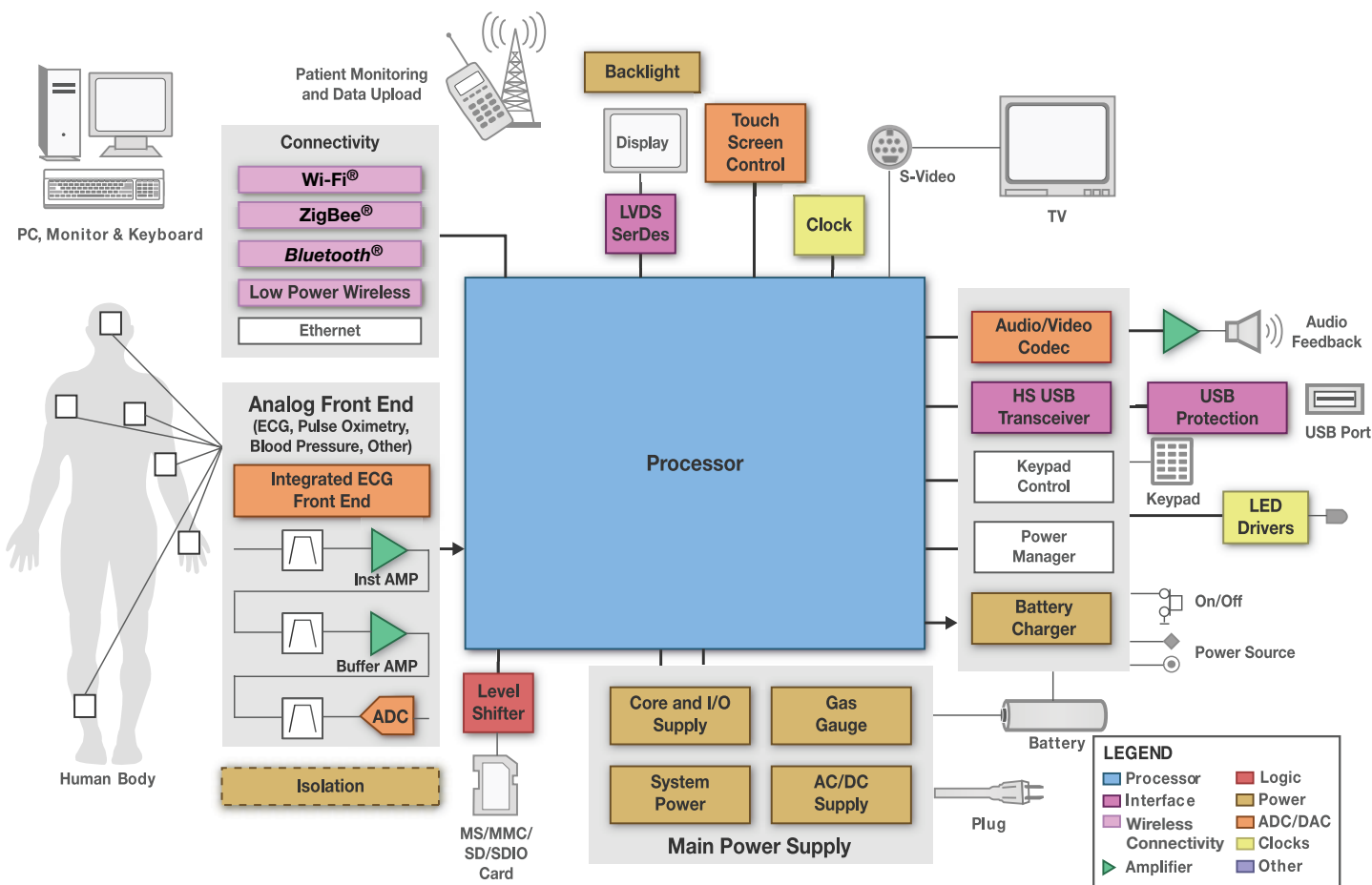
The most important features of today's patient monitors are mobility, ease-of-use and effortless patient data transfer.

Mobility includes portability as well as the ability to interface with other medical devices such as anesthesia machines and defibrillators. Ease-of-use can be achieved with touch-screen displays and multi-level, menu-driven profiles that can be configured for the environment and the patient's vital statistics.

Data transfer across everything from wireless to RS-232 must be possible. While hospitals may support a specific infrastructure throughout all areas, ambulance, home and other

environments often require support for different protocols.

An ongoing need to minimize health-care costs is creating a move toward patient treatment and monitoring outside of the hospital. This shift is placing an emphasis on remote patient monitoring and telemedicine solutions that enable providers to treat patients in highly populated, rural and remote areas in emerging economies.



*Product Availability and Design Disclaimer – The system block diagram depicted above and the devices recommended are designed in this manner as a reference. Please contact your local TI sales office or distributor for system design specifics and product availability.*

Multi-parameter patient monitor system block diagram.