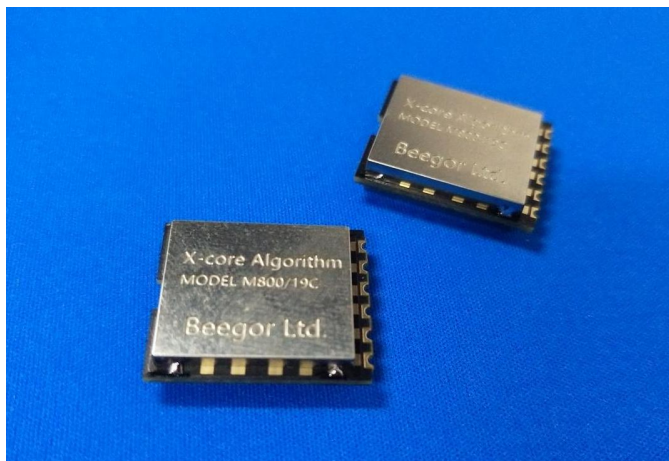


X-CORE 算法模块是 Beegor 贝骨公司开发集成了阻抗匹配, 放大, AD, 信号处理功能的电路模块, 内置可识别人体的上/下床、睡眠、心率、呼吸、打鼾等体征参数算法。M800 型号用于医疗养老行业、S700 用于智能家居行业。



## 产品优势

精准度高——准度高

完全匹配——完全匹配传感器参数

集成化高——集成多项硬件调理模块

抗干扰强——屏蔽设计

## 技术原理

睡眠体征传感器置于床垫下方, 人体躺卧在床垫上, 心脏的收缩力、呼吸时的胸腔运动、睡眠时气流通过狭窄气道的打鼾声、身体在床上的移动等信号, Beegor 算法模块均可高准确度的监测。

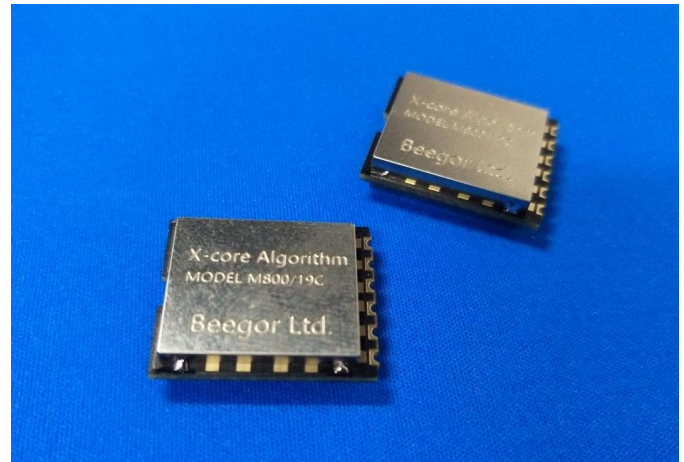


## 产品应用

**医疗养老: 护理监测仪**——上/下床、心率异常、呼吸异常、打鼾、不安睡眠

**智能家居: 智能床垫/睡眠监测器**——上/下床、监测睡眠、心率、呼吸率、打鼾

The x-core algorithm module is a circuit module developed by beegor, which integrates impedance matching, amplification, ad and signal processing functions. It has built-in algorithm that can identify the physical parameters of human body, such as up / down bed, sleep, heart rate, respiration, snoring, etc. The M800 model is used in the medical pension industry, and the s700 model is used in the smart home industry.



## Advantage

**High accuracy** - high accuracy

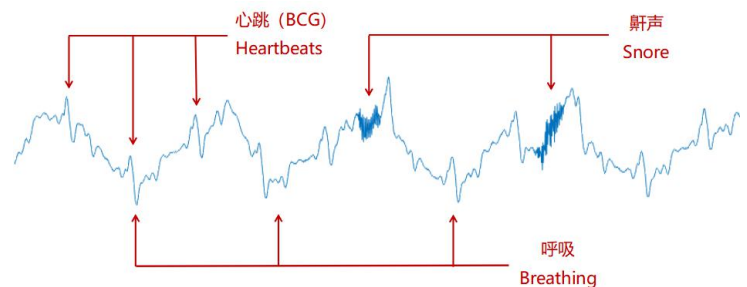
**Perfect match** - exactly match sensor parameters

**High integration** - integration of multiple hardware conditioning modules

**Strong anti-interference** -shielding design

## Technical Principle

The sleep sign sensor is placed under the mattress, the human body lies on the mattress, the contraction of the heart, the chest movement during breathing, the snoring sound of the airflow through the narrow airway during sleep, the movement of the body in the bed and other signals, the beegor algorithm module can monitor with high accuracy. slightly,



## Application

Medical care for the aged: nursing monitor - getting on / off bed, abnormal heart rate, abnormal breath, snoring, restless sleep

Smart home: smart mattress / sleep monitor - getting on / off bed, monitoring sleep, heart rate, breathing, snoring