



HEALTHY SLEEP HAPPY SUNSET



嘉通物聯網科技股份有限公司
JiaTong IOT Technology Co., Ltd.



WITH LOVE I LOVE YOU

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Industry background

China is the world's fastest aging society. At present, China's senior citizens account for one fifth of the world's population. That's about the same number as the European population over 60. Till 2010, the population of China over 65 years old was accounted for 9% and 26 provinces' had beyond the 'red line' 7%. At the end of 2014, it was 212 million people over 60, at this rate it will be 430 million by 2050. The population of people over 60 will increase 6-8 million per year.

The numbers of elders living alone is continuously increasing, nursing problems become increasingly obvious day by day. At the same time, the elderly's demand of daily care, spiritual comfort, psychological support, rehabilitation nursing, emergency rescue, hospice care is sharply growing. It caused the pension problems are exacerbated. However, facing the growth of special needs of the elderly, our old-age service industry is far behind the aging process of China, so improving old-age service industry is a long-term solution to solve aging problem.



Current demand

Over 50% elders live alone has fallen down at home, it might lead to fracture and hard to heal.

Over 60% elders live alone worry about nobody would come to help them if some accident happened while sleeping.

Over 90% elders live alone have the disease of high blood pressure or heart attack, they are afraid that nobody would come to help them if the disease comes.

Product introduction

The sensor based on bed foot and 'BAN service' what the company developed names AIBED .

It is an intelligent product、 just put it under bedfoot and it won't disturb the user.

Users' in bed status、 sleep quality、 daily routine、 heart rate、 breathing rate even health status'warning could be followed continuously and instantly by their guardians with mobile app.

nonwearable
don't need to charge
bed foot based sensor



Sensor specifications

▶ size	118 x 85 x 6 (mm)
▶ micro motion sensitivity	<5mV
▶ power	input: 100~240V 50/60Hz
	output: 5V 1A
▶ sample rate	300Hz
▶ data throughput	6.6KB/s
▶ storage time	30min
▶ working environment	0℃ ~ 40℃
▶ operating humidity	<95%
▶ continuous working hours	24hours to work
▶ CPU main	MIPS 400MHz
▶ memory	32MB
▶ wireless transmission rate	IEEE 802.11n 150Mbps



- how to see instruction :
1. scan QRcode and follow
 2. click data centre
 3. click instructions



Our advantage

Currently common heart rate or breathing rate detection products almostly must contact user. But users usually fell ill about be contacted for a long time. Battery changling will have an effect on persistence of detection. So AIBED use a kind of no disturb、not need to carry around module to solve the technical problems.

Contrast with other products



Aibed



bed tie



sport bracelet

data acquisition mode	no wearable sencer	no wearable sencer by bed tie	wearable sencer
data acquisition category	heart rate、breathing rate、weight	heart rate、breathing rate	heart rate
networkking way	WiFi	Bluetooth	Bluetooth
charging or not	✗	✓	✓
rely on mobile to connect internet	✗	✓	✓
daily routine	✓	✗	✗
heart rate data	✓	✓	✓
breathing data	✓	✓	✗
on bed decetion	✓	✗	✗
no heart rate warnning	✓	✗	✗
off bed too often	✓	✗	✗
off bed too long	✓	✗	✗



Aibed



bed tie

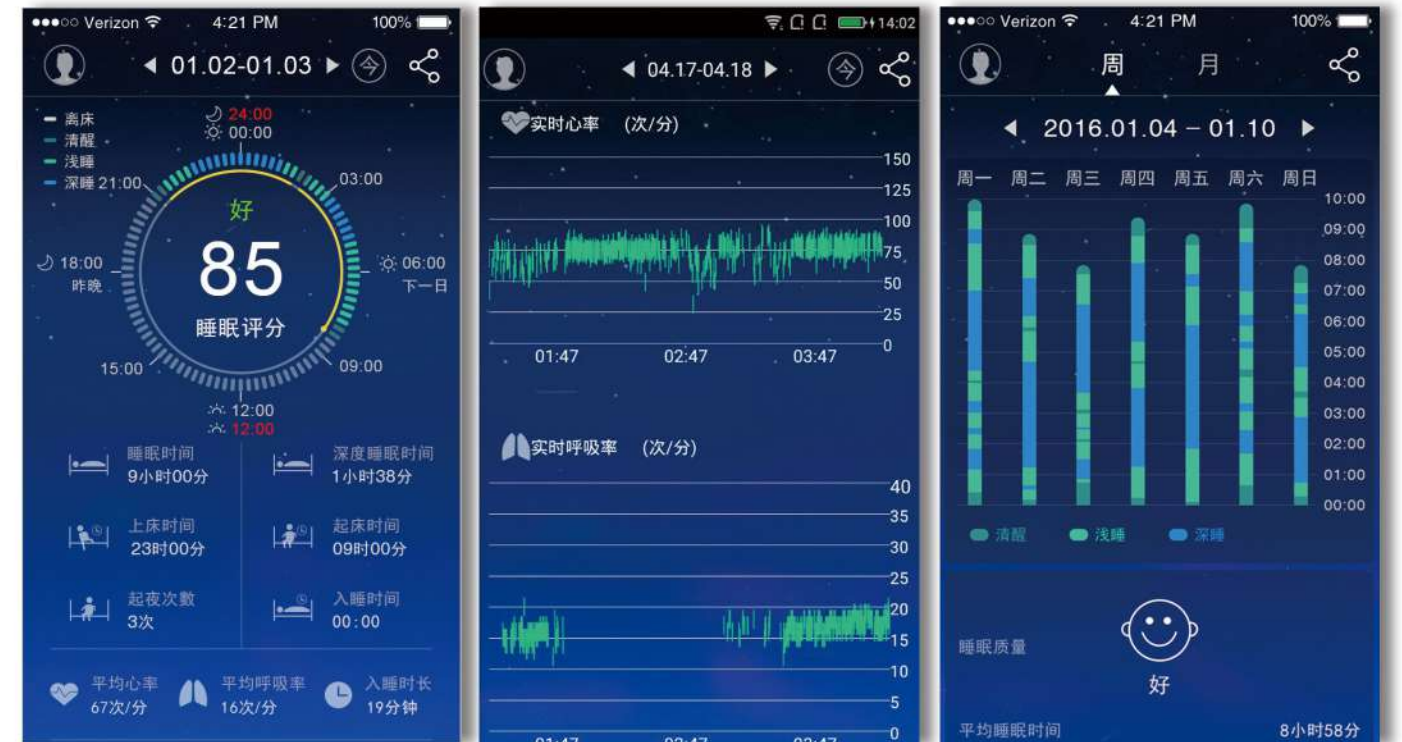
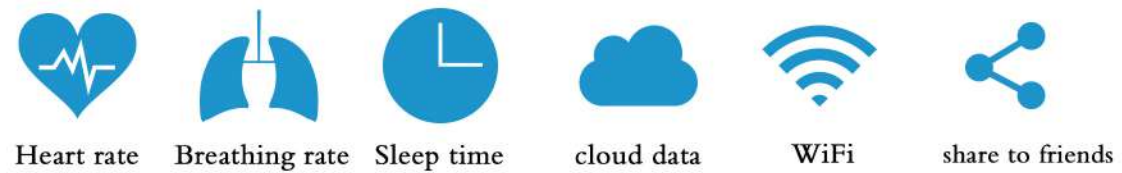


sport bracelet

bed late reminder	✓	✗	✗
get up late reminder	✓	✗	✗
emergency rescue	✓	✗	✗
app push	✓	✓	✓
data monitoring and statistics center	✓	✗	✗
abnormal signs warning	✓	✗	✗
abnormal rest warning	✓	✗	✗
sleep quality analysis	✓	✓	✓
fault wanring	✓	✗	✗
network interrupt alarm	✓	✗	✗
daily sleeping record	✓	✓	✓
weekly sleep statistics	✓	✓	✓
monthly sleep curve	✓	✓	✓
sleep analysis	✓	✗	✗
night count record	✓	✗	✗
cloud database	✓	✗	✗
sleep data accuracy	precise	error exist	no reference value

Moblle Client

- Sleep schedule: daily get up time point, fall in sleep time point, sleeping duration time, deeply sleeping time, get up frequency.
- Vital signs recoding: heart rate、brathing rate、 chart of weight on the bed.
- Sleep quality analysis: set up personal data files, statistical sleep data, evaluating sleep quality.
- Abnormal sleep warning: warning includes :Sleeping time too long、short、insomnia.
- Share: Users can share data to freinds.



Apply to
Android

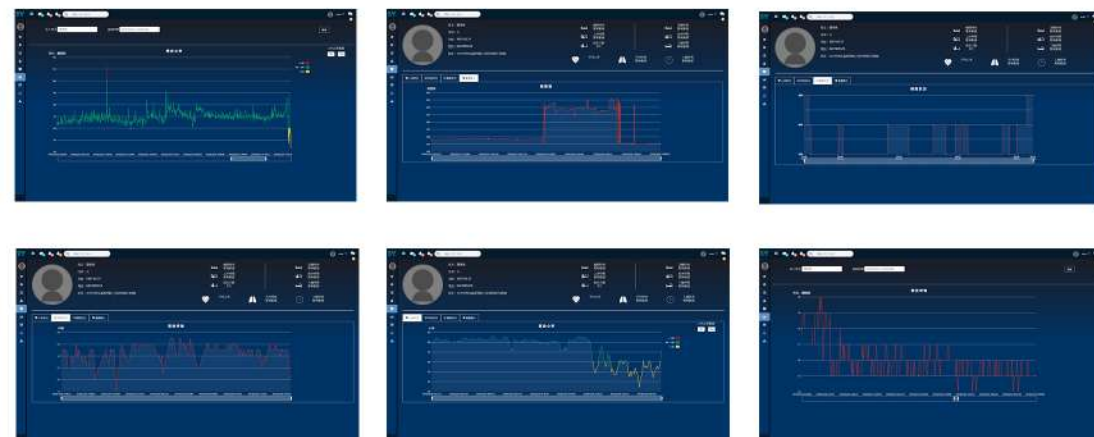


Apply to
iOS

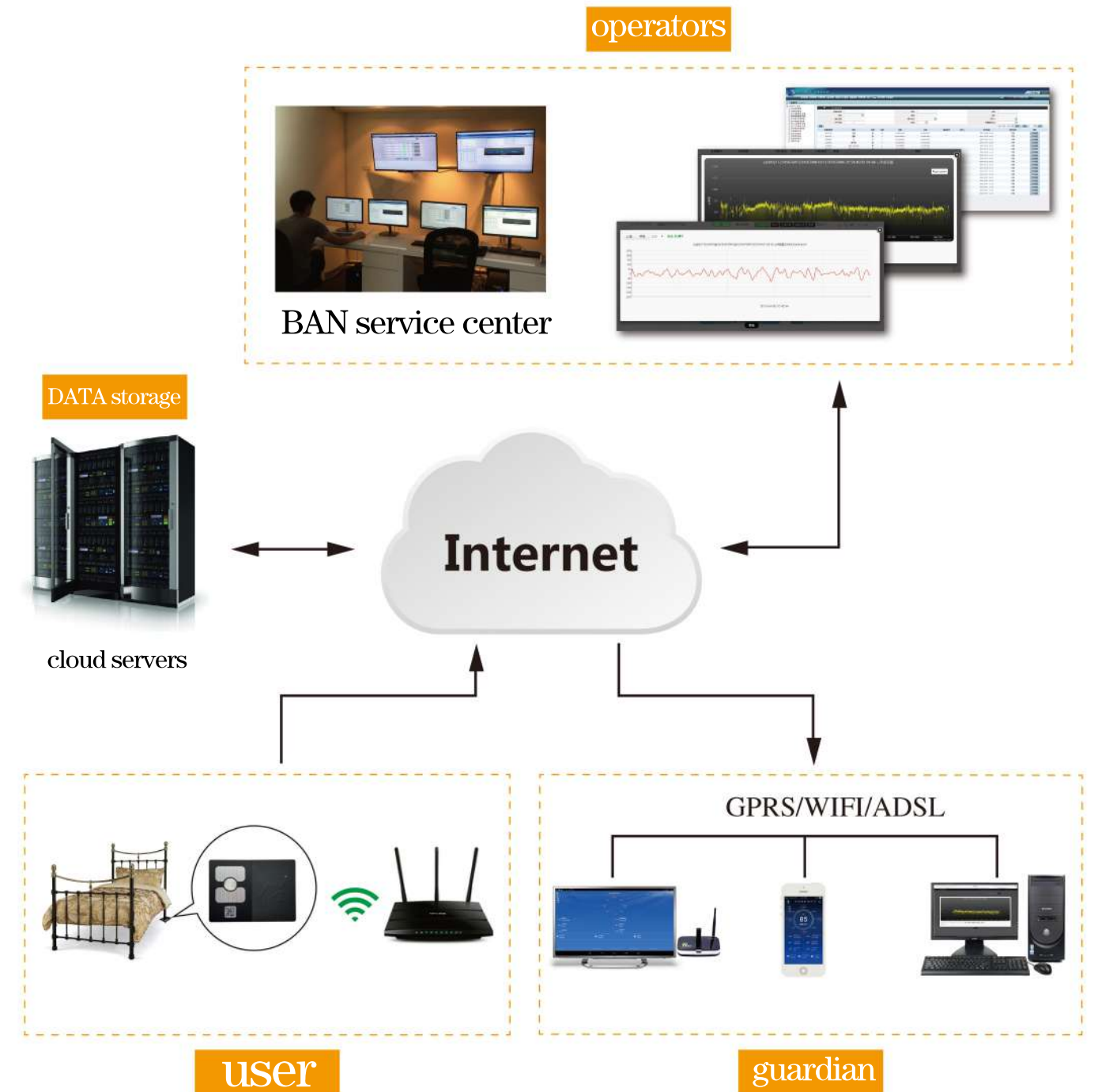


Service Centre

Set up accounts through the service system and various construction crossing tasks, staff can follow customers、service. So that it is more effective to manage customer information and business activities. BAN system is 24-hour surveillance AIBED data. When the system analyzes the abnormal condition, it may send message to the staff of the monitoring centre and users' family and it may give the warning to guide staff or users' family to solve the problem to improve salvage efficiency and rescue quality.



System framework



About us

JiaTong IOT Technology Co.,Ltd. is a sleep data analysing corporation sets r&d 、 sales and services in one.The company is located in TaiChung City.Taiwan.We owned professional team 、 mature technology and cooperate with BNC (National broadband network and applied engineering technology research center) in sales and technology research and development.

Main product of JTIOT is AIBED, it mainly faces the elders who live alone.Users' sleep data would be collected and analysed by the cloud server to detect the abnormal vital signs.By 2014, the government has passed the plan of long caring on disability groups and the advanced ages. It means that intelligent pension has started to rise to the national strategic level. So our products is in consisten with the national policy and comply with market demand and have broad prospects.You can see our products in Japan, Korea, etc.

We always insist that “Science and Technology innovation、 win-win cooperation、 Honesty and high efficiency、 First-class service” as our concept and be determined to build a global leading platform of sleep data analysing.

