

FUBANG TECHNOLOGY



**An innovative tech enterprise with the mission of "Technology Guards Life, Wisdom Creates the Future of Senior Care", focusing on comprehensive smart aging-friendly solutions.**

Founded in 2016, Fubang Technology operates under the mission of "Technology Empowers the Silver Future". Integrating AI, robotics, IoT, and big data, the company focuses on R&D of smart assistive devices and rehabilitation robots, delivering intelligent solutions for the global healthcare and senior care sectors.

With a decade of technological accumulation, the company has filed over 260 patents and won the Red Dot Design Award. It has independently developed China's first clinically validated lower-limb rehabilitation exoskeleton robot.

The company has established the "Fubang Rehabilitation Assistive Device Ecosystem". Built on digital systems and medical big data, it creates a full-scenario elderly care ecosystem covering smart rehabilitation, exercise, daily living, and mobility.



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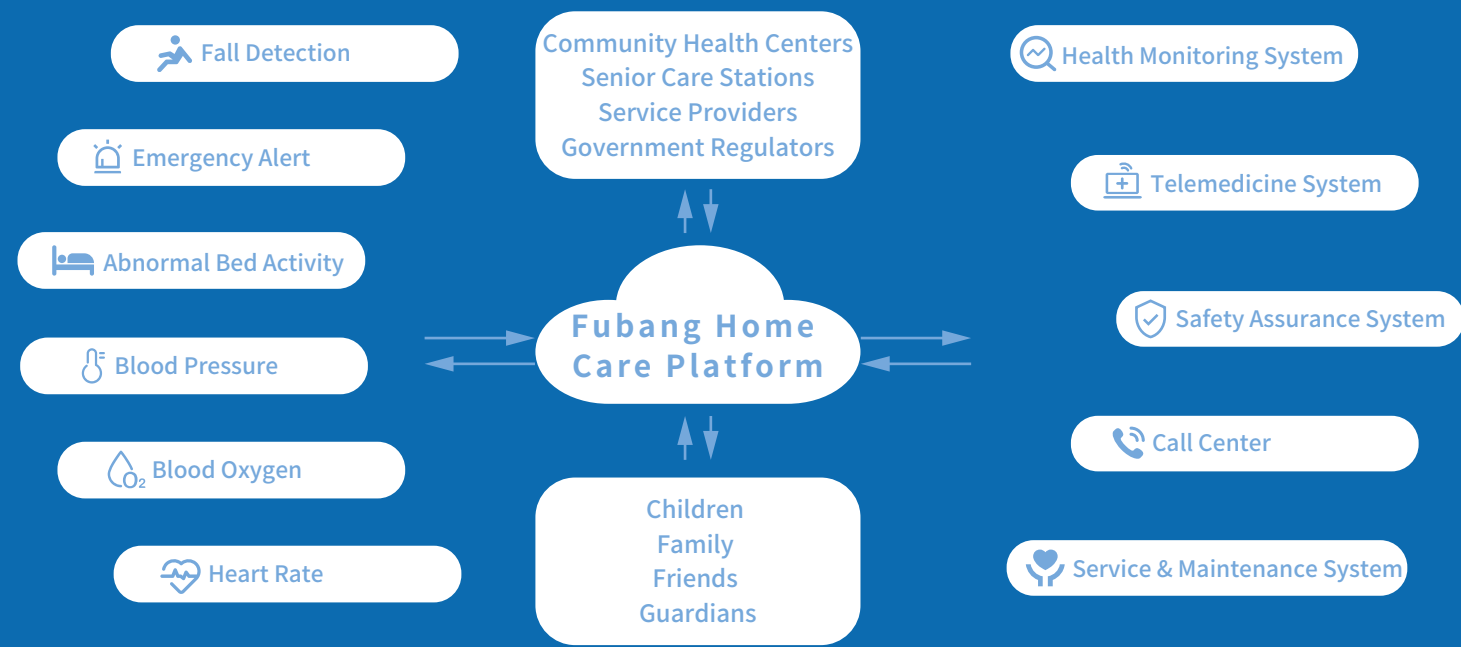
🌐 Website: [www.zjfbang.com](http://www.zjfbang.com)

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Smart care for your world

# Covering Rehabilitation & Senior Care Scenarios

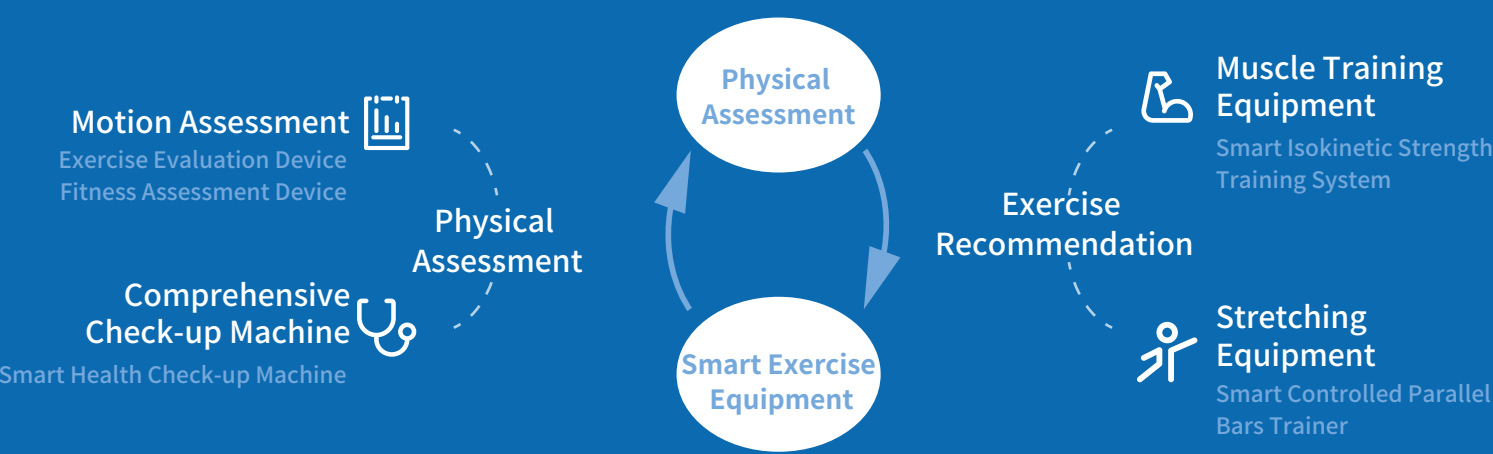
## Smart Home Care Solution

By collecting home-based monitoring data of the elderly, big data technology is used to analyze daily activities, physiological indicators and home usage patterns, enabling accurate detection of safety hazards and health anomalies.



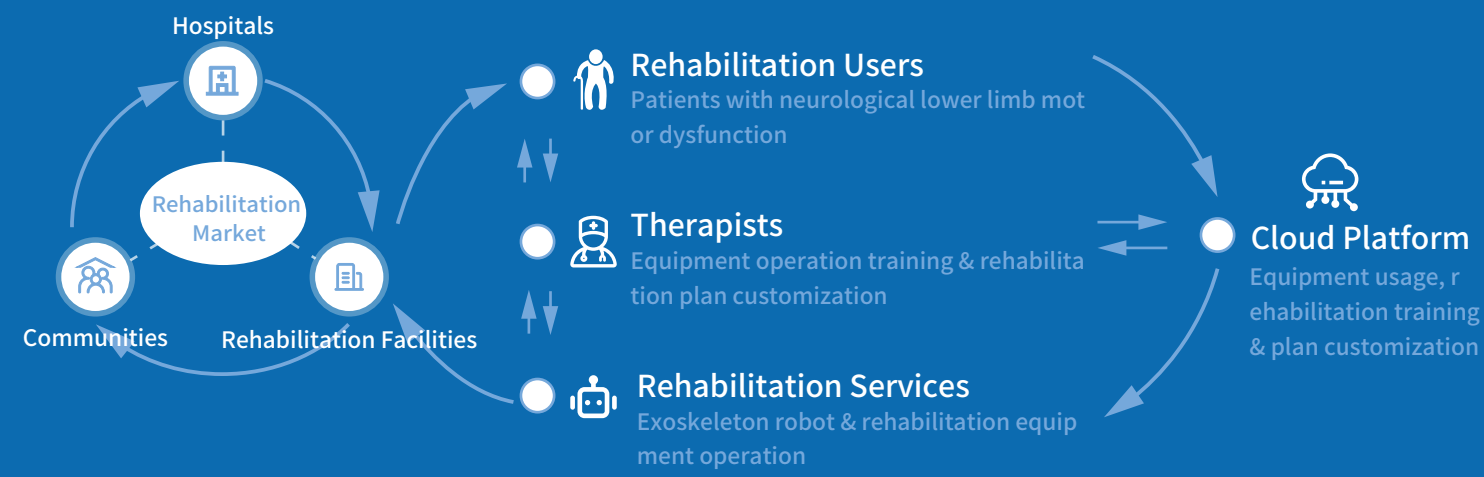
## Smart Exercise Solution

Based on AI and expert medical advice, the system automatically assesses physical conditions. It ensures safety and improves effectiveness through targeted exercise and real-time motion evaluation.



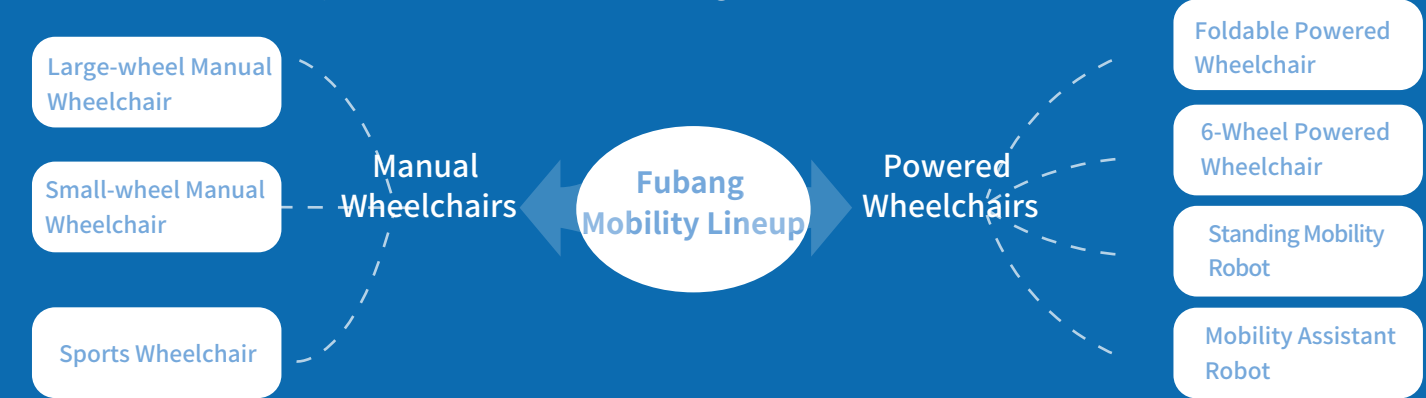
## Smart Medical Rehabilitation Solution

Based on advanced rehabilitation equipment such as exoskeleton robots, and supported by big data and AI technologies, the system establishes a complete rehabilitation assistance and evaluation framework to improve the efficiency of rehabilitation care.



## Smart Mobility Solution

Built on autonomous driving technologies such as intelligent control and navigation, and supported by a unified power and control platform, the system provides multi-scenario assisted mobility solutions to ensure safety and comfort across all usage environments.



# 智慧居家养老解决方案

## Smart Home-based Care Solution

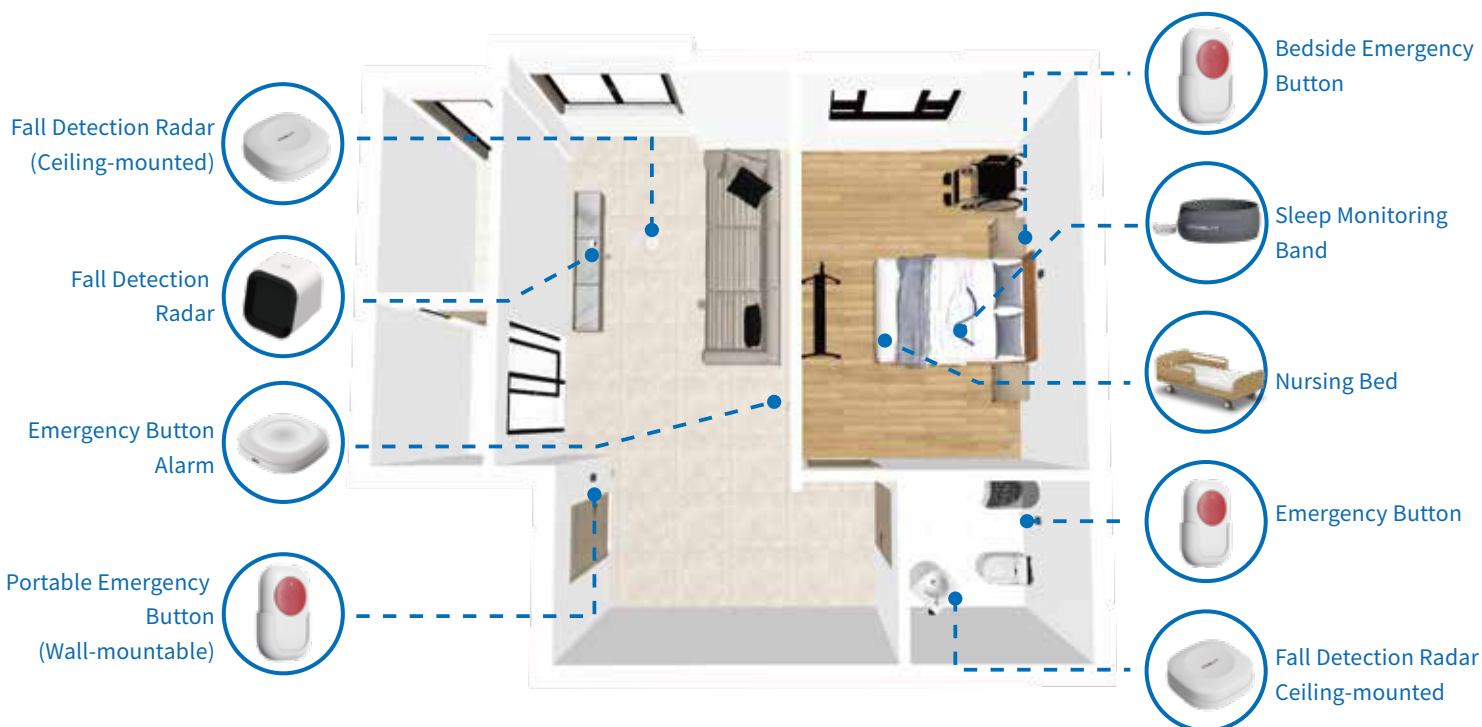
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Addressing the growing challenge of population aging, and based on China's national context where home-based care remains dominant, the solution leverages smart terminal devices, cloud computing, and mobile internet technologies. It delivers comprehensive health monitoring services including sleep tracking, fall detection, and environmental monitoring, establishing a "Terminal + System + Service" smart home care model.

This solution is applicable to home-based care, community care, and institutional care services such as nursing homes and senior centers. Through data interconnection, it enables optimized allocation of elderly care resources and promotes high-quality development of healthy senior care services.



# Smart Home Care Devices

## Sleep Monitoring Band



|                 |                                                     |
|-----------------|-----------------------------------------------------|
| Monitoring Type | Piezoelectric Film                                  |
| Dimensions      | 900mm*100mm                                         |
| Functions       | Heart Rate, Respiration, Snoring, Bed Exit          |
| Sleep Stages    | Awake, Light Sleep, Deep Sleep, REM Sleep, Bed Exit |

## 紧急求助按钮



|              |                                    |
|--------------|------------------------------------|
| Dimensions   | 100mm*60mm*25mm                    |
| Power Supply | Lithium Battery, USB-C             |
| Battery Life | 48H Standby                        |
| Function     | Press to Trigger SOS Call for Help |

## Home Environment Monitor



|            |                                                     |
|------------|-----------------------------------------------------|
| Dimensions | 110mm*110mm*100mm                                   |
| Data       | Temperature, Humidity, PM2.5, PM10, CO, Noise, TVOC |
| Functions  | Numeric Display, Clock Display, APP Connectivity    |

## Fubang APP



Functions: Smart Home Control, Emergency Response, Health Records, Social Communication, Knowledge Sharing, Senior-Focused E-Commerce Mall

## Fall Detection Radar



|                 |                                                    |
|-----------------|----------------------------------------------------|
| Monitoring Type | Contactless (Millimeter-Wave Radar)                |
| Dimensions      | 112mm*112mm*42.5mm                                 |
| Functions       | Human Presence, Still/Active State, Fall Detection |
| Detection Angle | 100°*100°                                          |

## Electric Nursing Bed



|               |                                                   |
|---------------|---------------------------------------------------|
| Dimensions    | 1000mm*2180mm                                     |
| Max Load      | 225kg                                             |
| Controller    | Backrest, Legrest, Full Bed (Lifting + Headboard) |
| Lifting Range | 450mm-800mm±20mm                                  |

## Nursing Bed Controller



|            |                                                                                                              |
|------------|--------------------------------------------------------------------------------------------------------------|
| Dimensions | 230mm*148mm*76mm                                                                                             |
| Functions  | Backrest Up/Down, Legrest Up/Down, Full Bed Up/Down, Forward/Backward Tilt, One-Click Reset, Position Memory |

## Senior Care Monitoring Station



Functions: Networked Bed Management, Emergency Intervention, Family Contact & Notification, Health Record Review, Device Data Monitoring, Service Log Tracking



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# 智慧锻炼解决方案

## Smart Workout Solutions

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Powered by AI algorithms and wearable devices, it collects elderly users' physiological data such as heart rate and blood oxygen in real time. Combined with medical analysis, it accurately assesses health status and generates personalized exercise plans. During workouts, sensors dynamically monitor movement standards and physical load, triggering immediate alerts for abnormalities. The system continuously optimizes plans, avoiding sports injuries while ensuring exercise safety and effectiveness.

- Exercise and movement testing
- Detailed data reports
- Customer service and support
- Automatic key point recognition
- Intelligent data analysis
- User-friendly interface
- Comprehensive fitness assessment
- Unattended monitoring
- Multi-scenario application
- Cloud-based data management
- Multi-scenario application
- Peripheral device compatibility



# Smart Exercise Equipment

## Fitness Assessment Device



|             |                                                              |
|-------------|--------------------------------------------------------------|
| Dimensions  | 770mm*425mm*1870mm                                           |
| Screen Size | 55-inch, 4K, Touch Screen                                    |
| Network     | Wi-Fi                                                        |
| Functions   | Face Recognition, Physical Fitness Assessment, Data Analysis |

## Exercise Assessment & Recommendation System



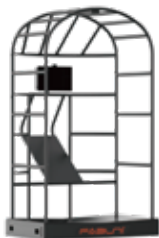
|             |                                                                     |
|-------------|---------------------------------------------------------------------|
| Dimensions  | 998*500*1170mm                                                      |
| Screen Size | 32-inch, Touch Screen                                               |
| Network     | Wi-Fi                                                               |
| Functions   | Face Recognition, Device Recommendation, Exercise Assessment Report |

## Smart Health Check Kiosk



|                |                                                                                                                                                          |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Dimensions     | 580×575×2320mm                                                                                                                                           |
| Blood Pressure | 0-299mmHg, 40-180beats/min                                                                                                                               |
| Body Fat Range | 75.0-1500.0Ω                                                                                                                                             |
| Measurement    | Precision Resistive Strain Sensor, High-Precision Millimeter-Wave Sensor, Human Bioelectrode, Intelligent Pressure Technology, Oscillometric Measurement |

## Smart Control Wall Bars Training Rack



|             |                                                           |
|-------------|-----------------------------------------------------------|
| Dimensions  | 1450mm*1220mm*2210mm                                      |
| Material    | High-Strength Aluminum Alloy, Anti-Slip Surface Treatment |
| Screen Size | 7-inch Serial Port Screen                                 |
| Functions   | Exercise Guidance, Data Logging, Bluetooth Connection     |

## Intelligent Muscle Training System



|                |                                                                                                                   |
|----------------|-------------------------------------------------------------------------------------------------------------------|
| Equipment Type | Chest Press Trainer, Butterfly Trainer, Leg Extension Trainer, Inner & Outer Thigh Trainer, Rear Leg Lift Trainer |
| Functions      | Chest Press, Chest Expansion, Knee Joint Training, Leg Swing, Rear Leg Lift Training                              |



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# 智慧医疗康复解决方案

## Smart rehabilitation solutions

Based on advanced exoskeleton rehabilitation equipment, it accurately assists limb movement and corrects posture. Combined with big data and AI algorithms, it covers the full process of personalized planning, dynamic monitoring and quantitative evaluation, intelligently adjusting rehabilitation parameters and generating reports automatically, making rehabilitation more precise and efficient to help patients return to daily life.

- 5G
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- 5G Cloud
- Pressure Sensor
- Torque Sensor
- Gait Control
- Gyroscope Sensor
- Intent Control
- Deep Learning



- |                  |                                    |                                       |
|------------------|------------------------------------|---------------------------------------|
| ○ Product Model  | FBR1101                            | ○ Bluetooth Communication             |
| ○ Height         | 155-185cm                          | ○ Smart Voice                         |
| ○ Limit Height   | 150-190cm                          | ○ Automatic Leg Length Adjustment     |
| ○ Maximum Load   | 100kg                              | ○ Assist Shift Switching              |
| ○ Maximum Speed  | 20m/min                            | ○ APP Control, Smart Operation        |
| ○ Battery Life   | ≥4h                                | ○ Mechanical Limit Protection         |
| ○ Product Weight | 约27kg                              | ○ Ergonomic Design                    |
| ○ Driven Joints  | Hip Joint, Knee Joint, Ankle Joint | ○ Adaptive Algorithm Smart Assistance |



# 康复治疗版助行机器人

## Mobility robot

Fubang Intelligent Rehabilitation Mobility Robot is your smart walking companion and precision rehabilitation coach. With 4 levels of intelligent training modes tailored to different recovery stages, it uses high-precision sensors to interpret movement intent in real time, delivering optimal assistance and safety support. Every step becomes effective gait and muscle training, enabling functional reconstruction and a confident return to daily life.

|                    |                                    |                 |                                 |
|--------------------|------------------------------------|-----------------|---------------------------------|
| ○ Product Name     | Walking Robot                      | ○ Weight        | 3.2kg                           |
| ○ Battery          | DC25.2VLithium Battery             | ○ Color         | White + Black                   |
| ○ Battery Life     | Approx. 150 mins                   | ○ Working State | 35x25x50cm                      |
| ○ Charging Time    | 2 Hours                            | ○ Storage State | 35x25x35cm                      |
| ○ Product Features | Hemiplegia Rehabilitation Training | ○ Packaging Box | 55x32x35cm                      |
| ○ Assist Level     | 5-level Adjustable, Max 12Nm       | ○ Mobile APP    | Android 6.0+ OS, Bluetooth 5.0+ |



### ► Easy Operation with One-Touch Mode Switching

Equipped with mechanical button controls for easy operation; function modes can be switched with just one touch.

### ► Precision Sensing & Intelligent Tracking

Built-in high-precision sensors real-time capture the user's center-of-gravity changes and movement trends, enabling precise gait recognition and movement intention prediction to deliver a natural and smooth assistance experience.

### ► Adjustable Design for Comfortable Fit

Customizable adjustment based on the user's height and body type ensures an optimal wearing comfort.

### ► Diverse Professional Rehabilitation Modes for Effective Personalized Care

Gait reconstruction mode, affected side weight-bearing mode, and endurance enhancement mode are designed to meet diverserehabilitation needs ranging from indoor balance training to outdoor walking ability improvement, ensuring every step serves a clear functional recovery goal.



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# 智慧出行解决方案

## Smart mobility solutions

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Powered by autonomous driving technologies like intelligent control and navigation, it precisely regulates speed, steering, and obstacle avoidance. Built on a unified power-train platform, it achieves standardized hardware and software compatibility, efficiently adapting to scenarios such as short-distance commuting, scenic tours, and hospital transportation to deliver customized mobility solutions. Equipped with multi-sensors, it real-time monitors conditions and dynamically adjusts driving strategies—ensuring safety in complex environments while offering smooth control and a comfortable riding experience.



# Manual Wheelchair

## Large Wheel Manual Wheelchair



|            |                                      |
|------------|--------------------------------------|
| Dimensions | 950x600(250)x900mm                   |
| Weight     | 11kg                                 |
| Folding    | Left-Right Cross Manual Folding      |
| Wheels     | Front: 6-inch PU Rear: 24-inch Solid |

## Sports Wheelchair



|            |                                      |
|------------|--------------------------------------|
| Dimensions | 790x610x790(630)mm                   |
| Weight     | 11.2kg                               |
| Folding    | Left-Right Cross Manual Folding      |
| Wheels     | Front: 4-inch PU Rear: 24-inch Solid |

## Mobility Robot



|                   |                                                |
|-------------------|------------------------------------------------|
| Dimensions        | 930x590x940mm                                  |
| Weight            | 24kg                                           |
| Motor             | Brushless DC Motor                             |
| Battery Life      | ≥20km                                          |
| Modules           | Seat Module, Drive Module, Front Fork Pedal    |
| Obstacle Crossing | H:40mm, W:100mm                                |
| Wheels            | Front: 8-inch PU Rear: 9-inch Rubber Honeycomb |

## Standing Walking Robot



|                   |                           |
|-------------------|---------------------------|
| Dimensions        | 980x680x1350mm            |
| Weight            | 65kg                      |
| Height            | 140-190cm                 |
| Battery Life      | ≥15km                     |
| Max Speed         | Stand:≤4km/h,Sit:≤5.8km/h |
| Obstacle Crossing | H:40mm, W:50mm            |
| Protection Class  | IP31                      |

## Small Wheel Manual Wheelchair



|            |                                      |
|------------|--------------------------------------|
| Dimensions | 850 (760) x500x900mm                 |
| Weight     | 10kg                                 |
| Folding F  | Left-Right Cross Manual Folding      |
| Wheels     | Front: 6-inch PU Rear: 14-inch Solid |

## Folding Electric Wheelchair



|                   |                                                |
|-------------------|------------------------------------------------|
| Dimensions        | 930x580x950(500)mm                             |
| Weight            | 25.5kg                                         |
| Motor             | Brushless DC Motor                             |
| Battery Life      | ≥20km                                          |
| Folding           | Manual Folding                                 |
| Obstacle Crossing | H:40mm, W:100mm                                |
| Wheels            | Front: 8-inch PU Rear: 9-inch Rubber Honeycomb |

## 6-Wheel Electric Wheelchair



|                   |                                    |
|-------------------|------------------------------------|
| Dimensions        | 950x600x500mm                      |
| Weight            | 54kg                               |
| Motor             | Brushless DC Motor                 |
| Battery Life      | ≥25km                              |
| Shock Absorption  | 4-Wheel Shock Absorption           |
| Obstacle Crossing | W:≥150mm                           |
| Wheels            | Front/Rear: 8-inch Middle: 10-inch |



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