



# AGIBOT D1 Max

Grace in Bearing Burden and Wisdom in Taking Action



AGIBOT D1 Max features lightweight design, high load capacity, long endurance, robust protection and flexible yet stable movement. Equipped with built-in reinforcement learning motion models featuring impact resistance, disturbance rejection, fall recovery and dynamic adaptability to autonomously handle all terrains; integrating visual, LiDAR, ultrasonic and inertial navigation sensors for environmental detection, autonomous navigation and target recognition; offering comprehensive power and communication interfaces to meet the demand of applications in security patrol, power inspection, logistics transport, mission operation and search and rescue.

# Application Scenarios and Product Parameters



## Agile Movement

Ultra-wide joint range  
Flexible climbing posture adjustment



## Nearly 1:1 Load-to-Weight Ratio

Unique lightweight body design  
Load capacity up to 30kg  
Approx. 50% improvement over comparable products



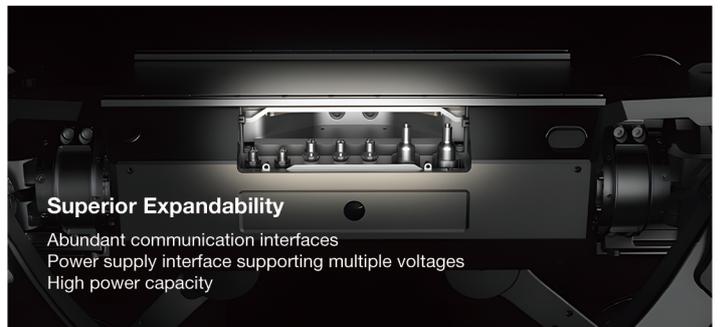
## Breaking Environmental Limits

IP67 protection rating  
Operating temperature: -20 - 55°C



## Never Stop Operating

Auto charging  
Hot swap battery



## Superior Expandability

Abundant communication interfaces  
Power supply interface supporting multiple voltages  
High power capacity

Standing dimension (L × W × H)	920mm × 480mm × 570mm
Folding dimension (L × W × H)	930mm × 630mm × 200mm
Weight	40kg (including battery)
Battery	Rated capacity 10Ah and voltage 54V
Load endurance	3.5h
Rated load	25kg-30kg
Max. climbing height difference	22cm

Slope walking capability	45°
Maximum wheel speed	8m/s
Obstacle clearance height	80cm
Trench crossing width	80cm
Operating temperature	-20°C - 55°C
Protection rating	IP67
External expansion interface	Communication interface: Gigabit Ethernet, USB and serial port Power interface: 5V/12V/24V/48V and 480W



Official Website



YouTube

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