GATEIN TECHNOLOGY
جيت ان تكنولوجي

PRODUCT PRESENTATION · INDUSTRIAL QUADRUPED

Unitree B2

Go Beyond The Limits

Lead the industry application: an all-around quadruped robot built for load, endurance, motion and speed in real industrial work.

Presented by GateIn Technology · Exclusive Unitree partner in Egypt



gateintech.com · Benchmark Tomorrow's Tech.

Unitree B2 Full-scene adaptation

An all-around robot whose combined performance in load, endurance, motion capability and speed is two to three times that of existing quadruped robots worldwide.

32-wire automotive-grade LiDAR

3D perception of the whole scene

M107 high-performance joint modules

About 360 N·m of joint torque

Depth camera

Close-range depth sensing

High-resolution optical camera

Clear visual inspection imagery

Ultra-large capacity battery

45 Ah (2250 Wh)

2–3×

the combined performance of existing quadruped robots worldwide

Unitree B2 Ultra load · walking · endurance

>6 m/s MAX RUNNING SPEED Special configuration [1]	**≈360 N·m** MAX JOINT TORQUE	**>1.6 m** LONGEST JUMP DISTANCE
120 kg MAX STANDING LOAD	**>40 kg** CONTINUOUS WALKING LOAD	**40 cm** MAX OBSTACLE CROSSING
>45° SLOPE ANGLE	**>5 h** CONTINUOUS WALKING Without load	**>4 h** CONTINUOUS WALKING With 20 kg load

[1] Achieved in a special configuration; in use, speed limits are set for safety.

Unitree B2 All-scenario applications

The ubiquitous all-around assistant, leading industrial intelligence in every scenario.



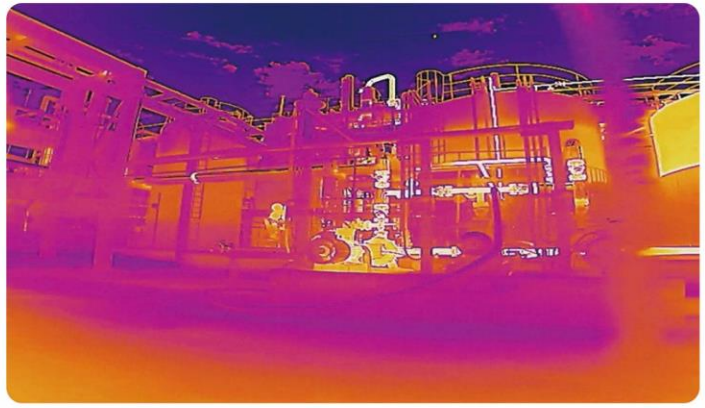
Power inspection

Intelligent power solutions — an industry application leader.



Emergency rescue

Working across all terrain: long stairs, rock piles and steep slopes.



Industrial inspection

Infrared scanning, 3D mapping and optimised environmental perception.

Unitree B2 Built for real terrain



01 All-rounded to cope with a variety of environments

Excellent terrain adaptability keeps travel stable on slippery or uneven surfaces.



02 Climbing stairs as if they were flat

Effortlessly tackles steps of over 40 cm.

Unitree B2 Load, endurance and power



03 100% more sustained load, 200% more endurance

Continuous walking with more than 40 kg; with a 20 kg load it walks for over 4 hours and more than 15 km.



04 170% more joint performance, 360 N·m of torque

Extreme performance gives more flexibility and stability for industrial operations.

Unitree B2 Flexible by design



Wheeled and legged forms

The B2's structural design lets it switch between legged and wheeled forms (optional), breaking through endurance limits.



Plug-in battery, autonomous charging

The battery supports quick change and optional autonomous charging, suiting a wide range of solutions.

Unitree B2 Parameters · body & power

Parameter	Unitree B2
Size (standing)	1098 × 450 × 645 mm
Size (lying prone)	880 × 460 × 330 mm
Weight	≈60 kg total (battery included)
Battery	Capacity 45 Ah (2250 Wh), voltage 58 V
Battery life	4–6 h
Endurance, no load	> 5 h walking, mileage > 20 km
Endurance, 20 kg load	> 4 h walking, mileage > 15 km
Wheeled foot	Optional
Load (standing)	Max. 120 kg
Load (walking)	> 40 kg
Ingress protection	IP67
Operating temperature	-20 °C to 55 °C

Unitree B2 Parameters · mobility & computing

Parameter	Unitree B2
Continuous stair climbing	Stairs of 20–25 cm
Single obstacle crossing	Climbs up and down 40 cm stairs, forward direction
Climbing angle	> 45°
Running speed	> 6 m/s [1]
Ditch jumping width	0.5–1.2 m
Max jump distance	> 1.6 m
Control and perception*	Intel Core i5 × 1, Intel Core i7 × 3, NVIDIA Jetson Orin NX × 1
Sensing sensors*	3D LiDAR × 1 + depth camera × 2 + optical camera × 2
Interfaces	1000M Base-Ethernet × 4, USB 3.0 × 4, 12V × 4, 5V × 1, 24V × 4, BAT × 1

* Varies with configuration. [1] Achieved in a special configuration; speed limits are set for safety. Some functions need manual operation or secondary development; parameters may vary by scenario and configuration.

GateIn One accountable partner

We don’t just ship the Unitree B2. GateIn designs, supplies, installs, integrates and supports Unitree robots for universities, schools, government and industry, from the first plan to long-term support.

+120
ROBOTS SUPPLIED IN EGYPT
Industrial, service and educational

91
LABORATORIES
Across 45 institutions

+30
STRATEGIC & GLOBAL PARTNERS

5
YEARS OF DELIVERY
Since 2021

Design | Sourcing | Installation | Integration | Training | Long-term Support

An integrator, not a vendor.

Exclusive Unitree partner for Egypt

GATEIN TECHNOLOGY
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Let’s plan your Unitree B2 deployment

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