

LIMX DYNAMICS



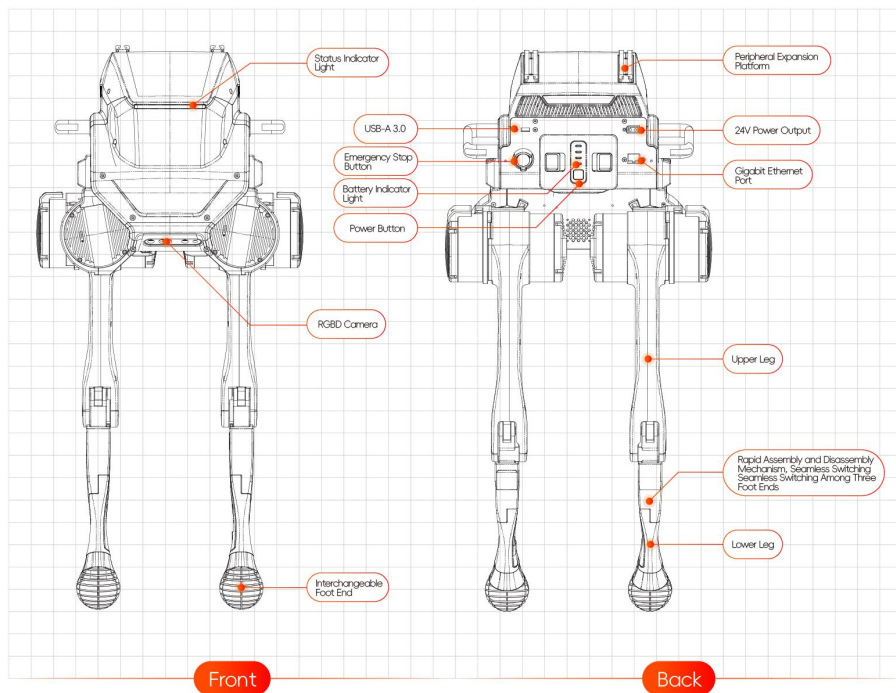
Learn More about
Limx Dynamics



Check Tron1's
Parameters



Contact Sales



THE GATEWAY TO HUMANOID RL RESEARCH

TRON1

MULTI-MODAL BIPED ROBOT **EMPOWER INNOVATORS**



TRON1

LimX TRON1 is a multi-modal biped robot, which supports innovation in both robotic hardware and software across various disciplines and fields.

With exceptional expandability and locomotion capabilities, it stands as the most comprehensive all-terrain universal bipedal platform.

POINT-FOOT



EASY TO CONTROL IN THE SIMPLEST LEGGED FORM FACTOR

SOLE



STAND AND WALK IN HUMANOID LEGGED FORM FACTOR

WHEELED



UNLEASH THE FULL POTENTIAL FOR ALL-TERRAIN MOBILITY

"Three-in-One" Modular Foot-end Structure



- Seamless Switch Among Point-foot, Sole, and Wheeled
- Support Multi-Modal Algorithm Development

All-Terrain Universal Mobile Platform



- Movement Speed*: 3m/s
- Load Capacity: 10kg
- Climbing Angle*: 30°
- Battery Life: 2 hours
- Obstacle Clearance Height*: 20cm

Empower Innovation



- Fully Open SDK
- Open Lower-Level Interfaces
- Support for Mainstream Simulation Platforms: NVIDIA Isaac, MuJoCo, Gazebo, etc.

Spin up RL Research



- Full-process Development in Python
- One-click Sim2Real Deployment
- Comprehensive and Clear URDF
- Professional User Manual, Customization Guide, and Code Examples

Multiple Sensors Fusion

- IMU Sensor
- RGBD Camera (Optional)
- Multiple External Interfaces



Arm Expansion Kit



Voice Interaction Kit



Sensor Expansion Kit



* Climbing angle, obstacle height, and speed data are based on wheel-foot status. The product will undergo continuous optimization, and appearance or configuration may change; please confirm with sales before purchasing. Parameters shown are measured by Limx Dynamics, and actual performance may vary due to environment, usage, device status, and software version.