



Omni-Terrain Operations | Travel Light

PUMA M20



Unleash the Power of Mobility
Where Agility Meets Intelligence
Compact Powerful Unstoppable
Your Trusted Companion for Every Challenge

SPECIFICATIONS

PUMA M20

PUMA M20 Pro

Dimension	0,82 m x 0,43 m x 0,57 m	0,82 m x 0,43 m x 0,57 m
Weight	33 kg	33 kg
Payload Unloaded	15 kg	15 kg
Endurance/Range Loaded	3 h / 15 km	3 h / 15 km
Endurance/Range	2,5 h / 12 km	2,5 h / 12 km

Ingress protection	IP66	IP66
Temperature	-20°C~55°C	-20°C~55°C

Max. Speed [1]	5m/s	5m/s
Field Operating Speed	2m/s	2m/s
Step/Obstacle's H	25cm	25cm
Slope[2]	45°	45°

Computing Power	Dual Octa-Core 64-bit Industrial Processors (16GB+128GB)	Triple Octa-Core 64-bit Industrial Processors (16GB+128GB)
LiDAR	×2	×2
Wide-angle Camera	×2	×2

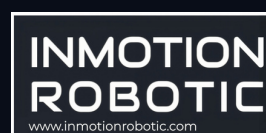
SLAM Mapping & Navigation	—	●
Omni-Directional Obstacle Avoidance[3]	●	●
Point Cloud Surround View[4]	●	●
Auto Charging	—	● (Optional)
Front/Rear LED Lights	●	●
Hot-Swappable Battery	●	●

Hardware Interfaces	Power Port (72V) Gigabit Ethernet	Power Port (24V/72V) Gigabit Ethernet, USB 3.0
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[1] Lab-tested extreme data; speed limited to 3m/s for safety.

[2] Lab-tested data; actual performance may vary by surface material.

[3] [4] This feature will be available via a future OTA update.



INMOTION
ROBOTIC

www.inmotionrobotic.com



- Backpack-sized for easy transport
- Navigate freely through 50 cm narrow passages
- IP66 Protection Rating
- Operate in temperatures from -20°C to 55°C



Agile and Versatile:
Suitable for Multiple
Application Scenarios



Extreme Environments
Continuous Operation



Industry-Leading Performance



Payload
15kg



Max.
load
50kg



Endurance
2.5h



Stair-climbing height
25cm

Ultra-Wide Joint Mobility Range

Seamless "transformation", switch freely between "front elbow/rear knee" and "full elbow" leg configurations to adapt to diverse scenarios.



Lighter, Faster, Smarter

The all-new PUMA M20 debuts as a medium-sized, agile, and portable robot with industry-leading capabilities for harsh environments.

