

Ati / ROBOTICS

SHERPA 10K

HEAVY DUTY | EFFICIENT | SAFE



SHERPA 10K

Sherpa 10K is ideal for moving trolley payloads up to 10,000 lbs/ 4.6 ton between precise points in a manufacturing workflow or in a warehouse. It has an array of advanced sensors that keep material moving swiftly, safely, reliably, and autonomously. The robot is built to handle typical industrial situations, both indoor and outdoor. The Sherpa 10K can operate on its own and manage brownfield application with most legacy system.

Automated Solutions

- Obstacle Avoidance
- Custom Trolley Design
- Custom Hitch
- ERP Integration

Sherpa Specifications

Physical Specs	LENGTH	1561 mm	61 in
	WIDTH	926 mm	36 in
	HEIGHT	1143 mm	45 in
	WEIGHT	700 kgs	1543 lbs
	SENSORS	3D LiDAR and Camera	
	IPX RATING	IPX4	
	GROUND CLEARANCE	90 mm	3.5 in
Operation	AISLE WIDTH REQUIRED	>2000 mm	> 78 in
	MAX SPEED (Unladen)	Up to 1.4 m/s	Up to 3.1 mph
	MAX SPEED (Laden)	Up to 1.2 m/s	Up to 2.7 mph
	INNER TURNING RADIUS	1.15 m	45 in
	GRADIENT	Up to 6°	
	TEMPERATURE	+5°C to +45°C	+41°F to +113°F
	TUGGING CAPACITY	Up to 4600 kgs	Up to 10,000 lbs
TROLLEY TRAIN	Up to 3 trolleys		
Battery	TYPE	48 V, LFP	
	WEIGHT	70 kgs	154 lbs
	RUN TIME	8 Hrs	
	CHARGING TIME	1 Hr (0-80%)	
	CAPACITY	150 Ah	

Features



Light Conditions

Can even handle twilight and dark mode operations



Natural Navigation

No infrastructure changes needed



Industry 4.0 Ready

Can be integrated with Factory MAS, WMS



OTA Updates

Sherpa is constantly updated to its latest software



Operation

Works Indoor & Outdoor

Sherpa Fleet Managed On Ati Fleet Manager



Sherpa Single Unit / Fleets

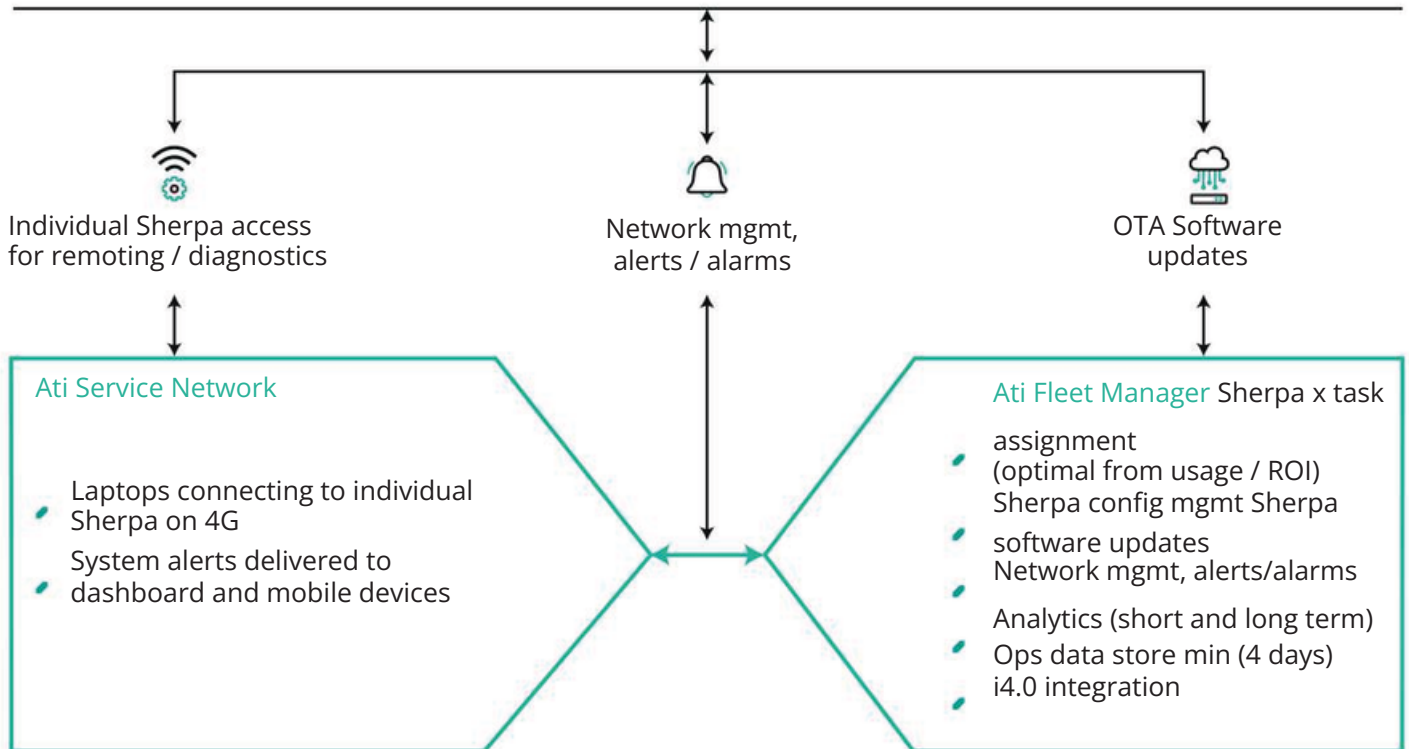
Ati Equipment on customer's Wifi Network (shop floor)



Charging systems



Control Terminal (Onsite)



Ati Fleet Manager Offers

• VDA 5050

• Fleet Analytics & Scheduler

• Fleet Diagnostics

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Sensor Coverage



Autonomy Safety Compliance ISO 3691-4

USA | Mexico | South East Asia | India

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