

Ati

SHERPA 10K

HEAVY DUTY | EFFICIENT | SAFE



SHERPA 10K

Sherpa 10K is ideal for moving trolley payloads up to 10,000 lb/ 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 tough 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	1600 mm	63 in
	WIDTH	920 mm	36 in
	HEIGHT	1010 mm	40 in
	WEIGHT	650 Kg	1433 lb
	SENSORS	3D Lidar and Camera	
	IPX RATING	IPX4	
	GROUND CLEARANCE	90 mm	3.4 in
Operation	AISLE WIDTH REQUIRED	>2000 mm	> 78 in
	MAX SPEED	2 m/s	4.5 mph
	TURNING RADIUS	1.1 m	43 In
	GRADIENT	Upto 10%	
	TEMPERATURE	+5°C to +45°C	+41 °F to 113°F
	TUGGING CAPACITY	Up to 4600 kg	Up to 10000 lb
	TROLLEY TRAIN	Up to 3 Carts	
Battery	TYPE	51 V, LFP	
	WEIGHT	60 Kg	132 lb
	RUN TIME	8 Hrs	
	CHARGING TIME	2 Hrs	
	CAPACITY	120 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



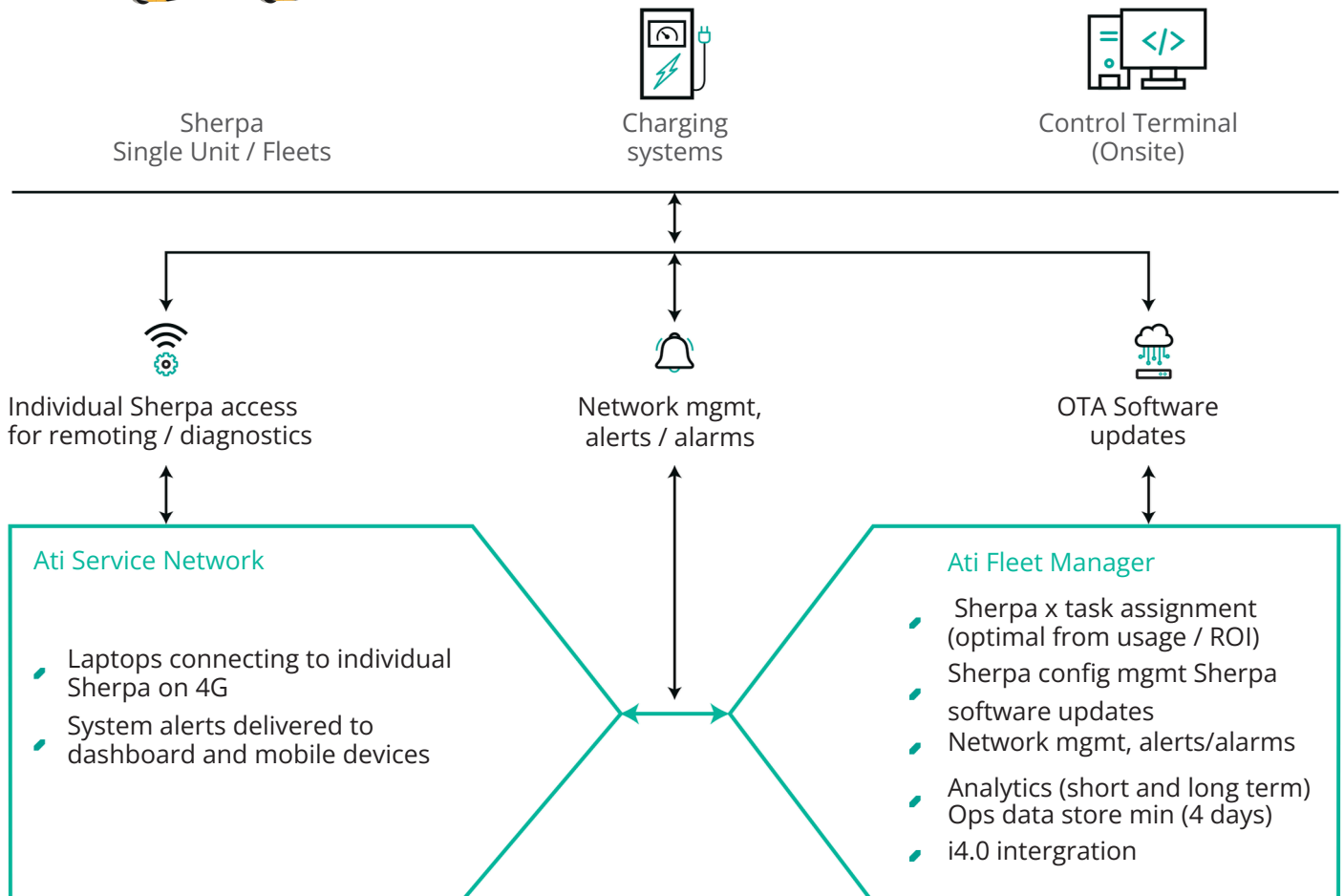
Operation

Works Indoor

Sherpa Fleet Managed On Ati Fleet Manager



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



Ati Fleet Manager Offers

• VDA 5050

• Fleet Analytics & Scheduler

• Fleet Diagnostics

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Sensor Coverage

Lidar 42°

Lidar 42°

Camera 58°



Autonomy Safety Compliance ISO 3691-4

USA | Mexico | South East Asia | India | Europe

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