

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	1100 mm	43 in
	HEIGHT	950 mm	38 in
	WEIGHT	750 Kg	1650 lb
	SENSORS	3D Lidar and Camera	
	IPX RATING	IPX4	
	GROUND CLEARANCE	85 mm	3.4 in
Operation	AISLE WIDTH REQUIRED	>2000 mm	> 78 in
	MAX SPEED	2 m/s	4.5 mph
	TURNING RADIUS	In-place turn	
	GRADIENT	Upto 10%	
	TEMPERATURE	+5°C to +45°C	+41 °F to 113 °F
	TUGGING CAPACITY	4600 kg	10000 lb
	TROLLEY TRAIN	Upto 3 Carts	
Battery	TYPE	51 V NMC Lithium-ion	
	WEIGHT	60 Kg	130 lb
	RUN TIME	8 Hrs	
	CHARGING TIME	3 Hrs	
	CAPACITY	165 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

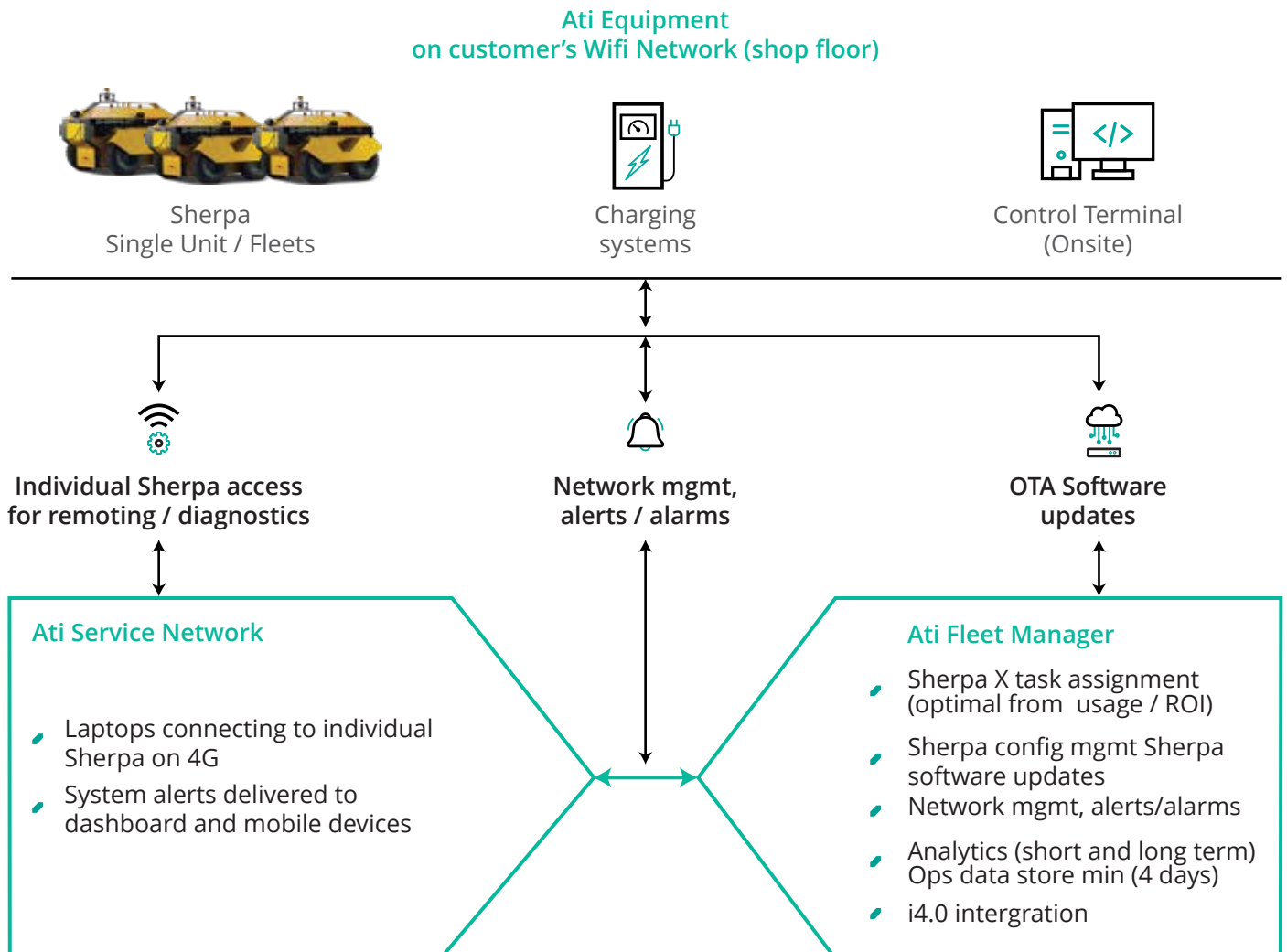
Sherpa is constantly updated to its latest software



Operation

Works Indoor & Outdoor

Sherpa Fleet Managed On Ati Fleet Manager



Ati Fleet Manager Offers

• VDA 5050

• Fleet Analytics & Scheduler

• Fleet Diagnostics

Sherpa 10K

Autonomous Trolley Puller



Sensor Coverage



Autonomy Safety Compliance ISO 3691-4

USA | Mexico | South East Asia | India | Europe

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