



XS1 IntelliCart

MOBILE TRANSPORT ROBOT

DATASHEET

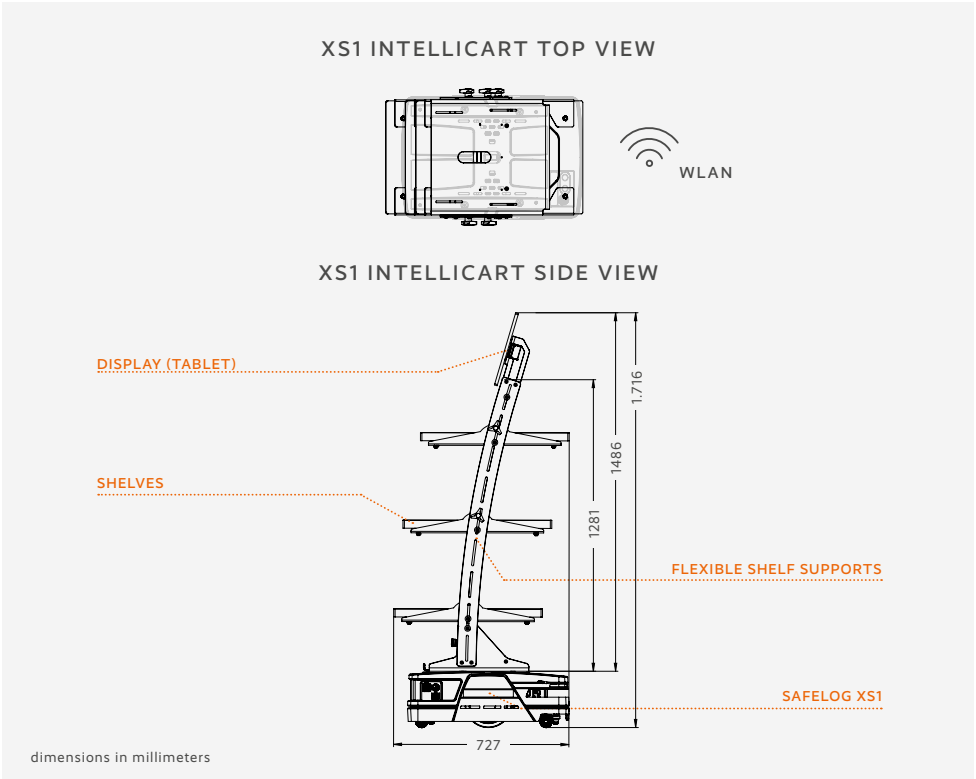
SAFELOG

GENERAL INFORMATION

With the XS1 IntelliCart, SAFELOG offers an easy-to-implement solution for semi-automated multi-order picking in Person-to-Goods processes. The mobile robot takes over the transport of goods, allowing warehouse staff to fully focus on the picking or placing process. A tablet displays all necessary order information to the picker, and the touchscreen also serves for order confirmation. To prevent errors, LED strips are installed inside the compartments, visually highlighting the designated target compartment.

With a load capacity of up to 50 kg, the IntelliCart is an ideal picking solution for small parts. Maximum flexibility is ensured by height-adjustable shelves, which are designed to accommodate standard KLTs and boxes.

DEVICE INFORMATION	
Product name	SAFELOG XS1 IntelliCart
Casing material	Steel/technopolymers/aluminum (powder-coated)
Weight (kg)	64 ²



Pictures and drawings may show optional accessories. Specific configuration according to offer.
We reserve the right to modify product specifications without prior notice.

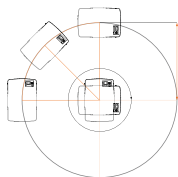
TECHNICAL DATA

PERFORMANCE	Standard	Optional
Topload (kg)	50 ¹	—
Lifting height (mm)	—	—
Speed (m/s)	0.1 – 3.0 ^{1,2}	—
Positioning accuracy (mm)	+/- 5 ^{1,3}	—
Localization	Odometry, grid codes	LiDAR (LLS)
Sensors	—	—

ELECTRICAL DATA	Standard	Optional
Charging system	Inductive	—
Battery type and (quantity)	LiFePO4 (1)	—
Capacity (Ah)	21	—
Operating voltage (V)	24	—
Charging time 20–80% (min)	20 ¹	—
Continuous driving (w/[o] load) (h)	[6] 4.5 ^{1,4}	—

SAFETY DEVICE	
Personnel safety (optional)	Safety laser scanner
Emergency stop	Front/back
LED-Strip	Front/side
Bluespot	—

OPERATION DATA	
Temperature (°C)	+5 to +35
Conformity	CE, FCC, IP54
Max. grade (%)	tbd ¹
Operating time (h/d)	24/7
Floor condition	VDI 2510



Turning radius (m):
0.8

¹ environment-dependent

² without optional accessories

³ dependent on localization method

⁴ at linear speeds of 2.0 m/s without acceleration,
load of 50 kg, 80% driving share

XS1 INTELLICART



XS1 IntelliCart front view



XS1 IntelliCart side view



SAFELOG XS1 core



Safety and warning fields

XS1 INTELLICART PERIPHERALS



Charging station*



Charging plate (inductive charging)*



Follow Me mode



Optional scanning via glove

* the XS1 uses a smaller charging plate

