APTIX specs

1. General information

Designated use	Indoor logistics
Type	Mobile Robot Pallet Truck
Model	APTIX
Operation and navigation	Full Automatic with Natural Navigation
Disclaimer	Specifications may vary based on environmental variability

2. Dimensions

Length	1690 mm
Width	800 mm
Height	2126 mm (on top of the scanner)
Weight	560 kg
Ground clearance	29 mm
Load surface	Forks 1150 x 570 mm/ Fork Arm 1150x180x70 mm
Max Load Capacity	1000 kg
Max Elevation Distance	1600 mm

3. Speed and performance

Max speed	1,6 m/s — 96m/min
Operational corridor width (pivoting)	3000 mm (Based on speed parameters)
Positioning accuracy	Natural navigation: ±10 mm (Based on environment conditions) Angular precision ±1°
Active operational time	Max payload: 5,5 hours without charging No payload: 7 hours without charging Stand-by: 20 hours to reach the critical % of battery

4. Power

Battery type	Lithium ion
Battery voltage and capacity	24 V, 100 Ah
Charging time (10%-90%)	3 hours
Charging options	Docking station
Charger type	Inductive charger
Battery weight	27.5 Kg
Battery dimensions	L/W/H 340mm x 170mm x 280mm

5. Environment

Environment	Indoor use
Floor conditions	No water, no oil, no dirt

6. Safety

Laserscanner safety function	Triggered when obstacle or people are detected in safety zone
Emergency stop	Triggered by pressing at least one of the 2 buttons
Manual control	Tiller/Joystick
Safe load position	Always at full STOP position. Simultaneous actions are allowed. (Lifting/Lowering forks while approaching or exiting the position)

7. Communication

WiFi	Router: 2.4 – 5 GHz PC WiFiAdapter: 2.4 – 5 GHz
Frontal connections	Ethernet, Can

8. Sensors

Safety laser scanner	2xSICK nanoScan3 (front and rear) 360° protection around AMR, Number of fields: 128

9. Lights and audio

Acustic signal level	85 dB

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Status lights	LED: White, Green, Red, Blue, Yellow. (Based on User Manual)
Signal lights	On both sides of the mast

10. Maintenance

Maintenance	Maintenance hatch on the front side of the Aptix, for battery swap and logical parts, drivers and controllers.

All information shown in the document could be subject to be updated by the manufacturer.

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