

AMADEUS RACK

The AGV for Server Rack Logistics

DS
AUTOMOTION

*Payload
approx.
4,900 lbs*

Flexible Transport for Modern Server Racks

Flexible. Precise. Built for Modern Data Centers.

The AMADEUS rack enables automated and precise transport of modern server racks throughout the data center. With a payload capacity of up to 4,900 lbs, it handles ORv2, ORv3, and HPR racks safely and reliably, transporting them from the white space into narrow, space-constrained cold aisles.



Discover the
AMADEUS rack!



AMADEUS RACK

The AGV for Server Rack Logistics

The Partner for Rack Logistics

One solution. Multiple rack standards.

The AMADEUS rack supports ORv2, ORv3, and HPR racks, with a specially developed load-handling system for safe, automated pickup and transport of heavy IT infrastructure. From installation to maintenance and replacement, AMADEUS reduces manual handling and enables more efficient, automated rack logistics throughout the data center.

Versatile

One vehicle. Multiple rack standards.

Transports ORv2, ORv3, and HPR server racks with a specially developed load-handling system for safe, automated pickup and transport.

Compact

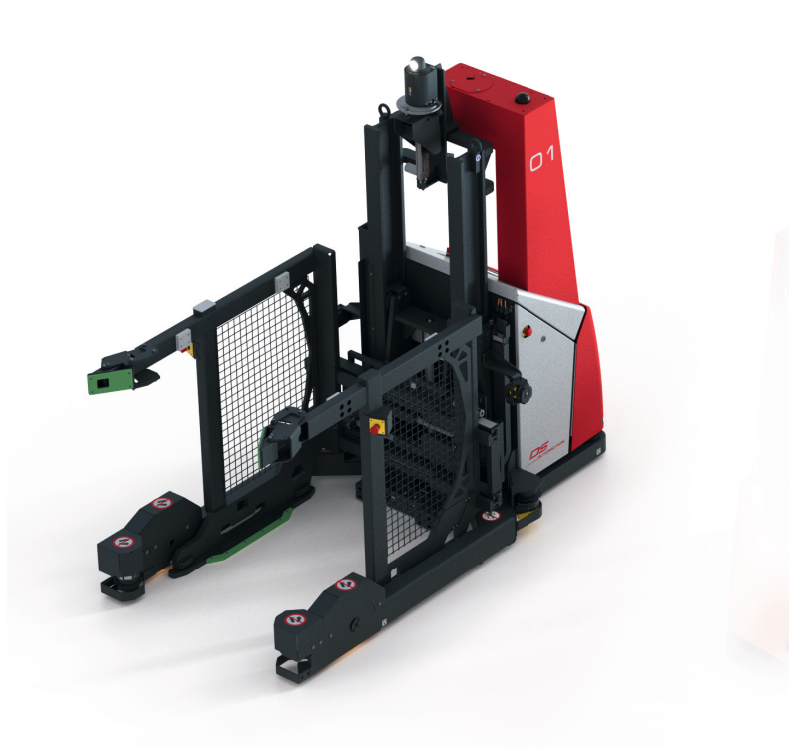
Built for high-density environments.

A compact design and contour-based navigation enable operation in narrow cold aisles and space-constrained areas without additional navigation infrastructure.

Safety and Protection

Designed to protect what matters.

Integrated laser scanners provide 360° monitoring, detecting obstacles and helping protect personnel, infrastructure, and sensitive IT equipment.



Technical Details

Dimensions (L/W/H):	8.7 × 4.1 × 7.8 ft
Payload:	approx. 4,900 lbs
Speed:	2.7 mph
Lifting height:	13.8 in
Rack types:	ORv2, ORv3, HPR
Navigation:	Contour-based localization
Minimum path radius:	300 mm - 90° turn, 600 mm - 180° turn
Safety field:	360°
Power supply:	Automatic battery charging
Battery:	Lithium
Display:	10.1" touchscreen display, optional

