

Technical Specifications

Product Name	VersaAI™
Model Name	PORT-AS-99610
Type	AS-99610
Region	USA & Europe
Manufacturer	AutoStore AS
Grid Type Support	<ul style="list-style-type: none"> • DDG (wide, available from Q3 2026) • SDG (wide, available from Q4 2026)
Dimensions	Robot cell with internal parts: L: 1,800 mm / W: 3,000 mm / H: 2,400 mm Incl. control cabinet and vacuum unit: L: 1,800 mm / W: 3,800 mm / H: 2,400 mm
Weight	<p>Total max. weight: 1,700 kg</p> <ul style="list-style-type: none"> • Safety cell, robot arm, and accessories: 1,300 kg • RPP port module (each): 100 kg (without Bin content) • Bins with content (each): 35 kg
Floor Requirements	<ul style="list-style-type: none"> • Max. point loads during operation (robot arm): 2500 N (distributed over 0,020 m²) • Max. point load during emergency stop: 5700 N (distributed over 0,020 m²)
Average Weight Distribution	250 kg/m ² (without personnel)
Min. Foundation Material Yield Strength	150 MPa
Floor Flatness Requirement (Robot Arm)	0.1 / 500 mm
Min. Resonance Frequency	22 Hz
Bin Height Support	220, 330, and 425 mm
Container Subdivisions	Up to 16
Bin Content Weight Accuracy	+/- 100 g
Picking Accuracy	99+%
Max. Picking Throughput (Source to Target)	<ul style="list-style-type: none"> • At floor level: 400 UPH • At mezzanine level: 650 UPH
Min. Item Picking Cycle Time	5 seconds
Max. Bin Throughput	3 RPP port module ver. at mezzanine level (1,355 mm from top tracks)
Min. Bin Exchange Time	<ul style="list-style-type: none"> • 325 Bins/hr. on the two source modules • 270 Bins/hr. on the center target module
Item Eligibility	<ul style="list-style-type: none"> • 95% coverage across apparel, grocery, general merchandise, industrial, and pharma • Eligible for SKUs where 3+ units fit in one AutoStore Bin • Max. weight: 5 kg
Item Weight & Dimensions	Recommended*
Acceptable Item Types	<ul style="list-style-type: none"> • Securely closed bags, boxes, bottles, blister packs, clamshells, envelopes, tubes • Cardboard or other boxes that are taped closed, have interlocking tabs or otherwise, secured lids • Securely grouped multipacks of the above • Grooved and uneven surface items • Porous items
Unacceptable Item Types	<ul style="list-style-type: none"> • Fragile glass items (e.g., candles, unless reasonably packaged against damage) • Items with exposed wires or hooks • Sharp, dangerous, or hazardous items • Nestable items • Thin unbagged apparel • Aerosols • Loose fastener
Storage Temperature	-25 °C to +55 °C
Operating Temperature	+1 °C to +35 °C
Operating Humidity	40 to 90 % non-condensing
Surface Material	Aluminum and composite material
Port (Frame) Height	1,000 mm (fixed)
Noise Level	73 dB(A)
Power Requirements	<p>Robot arm & vacuum unit:</p> <ul style="list-style-type: none"> • 380-415 VAC, 25 A, 3 PH, 3 P+N+PE, 50/60 Hz • 200-240 VAC, 40 A, 3 PH, 3 P+N+PE, 50/60 Hz <p>RPP port module (each):</p> <ul style="list-style-type: none"> • 24 VDC / 5 A each (PSU: 100-240 VAC, 50/60 Hz)
Power Consumption (Watts)	<p>Average</p> <p>Total max. with 3 x RPP port module: 4,5 kW</p> <ul style="list-style-type: none"> • Robot arm & vacuum unit: 4,3 kW • RPP port module (each): 50 W <p>Peak (<10 seconds)</p> <p>Total max. with 3 x RPP port module: 6,9kW</p> <ul style="list-style-type: none"> • Robot arm & vacuum unit: 6,6 kW • RPP port module (each): 276 W
Electrical Power Feed	Hardwired
Bandwidth Requirements	20 Mbps symmetric bandwidth in dedicated WAN circuit, up to 5 RPC systems; not real time production requirement
BG VPN Access	IPSEC tunnel with BG equipment (over dedicated WAN circuit)
Server Room Requirements (Only Required for More Than 2 Cells)	<ul style="list-style-type: none"> • Space for Server Rack: L: 1,070 mm / W: 600 mm / H: 1,991 mm; rack and server(s) provided by BG • Server Power Requirements: 200-240 VAC, 15 A, 1 PH, 50/60 Hz; UPS back up
Physical Network Connections	<ul style="list-style-type: none"> • Wired connection from server to cell(s), customer provided: Cat 6 A copper acceptable for distances <90 m • Single mode fiber with LC connector required for distances >90 m • Intermediate Distribution Frame (IDF) available • Physical network design depends on site layout; to be reviewed jointly with customer
WMS/WES Connection	<ul style="list-style-type: none"> • Two (2) 1000 BaseT uplinks to customer network • Two (2) IP addresses on customer network for WMS/WES communications
Host System Integration	API standard; other integrations available
IP Class	IP20