

WR Product Line-up

Autonomous Mobile Robots Autonomous Mobile Manipulator Robots Robot Hand



Product Line-up

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AMR Payload 300kg

- WR300CV
- WR300LD
- WR300CB
- WR300LF

AMR Payload 600kg

- WR600LF

AMR Payload 1,000kg

Autonomous Mobile Manipulator Robots

- Differential wheel WR300M-TM, WR300M-RB
- Mecanum wheel WR300MM-TM, WR300MM-NU

AMR Control System

Allegro Hand

- Version 4(4 Fingers Hand) Version 5(3 Fingers Hand)
 - Version 5(4 Fingers Hand) Plus



WR300CV

Internal Transportation Platform with Conveyor System

Item	Contents	Specifications
	Navigation Type	SLAM
	Dimension(W x L x H, mm)	630 x 825 x 890mm
Dalaat Dasia	Payload(kg)	300kg
Robot Basic	Driving System	Differential Drive
Specification	Wheel(Material, Size)	Urethane, Driving 6"(15cm) x 2, Sub" x 4
	Loading Method	Auto Conveyor
	Equipment Docking Method	Front or Side Docking
	Stop Accuracy	± 20mm
	Docking Accuracy(V Marker)	± 10mm
	Operation Time	12h(No Payload), 10h(Full Payload)
	Minimum Driving Aisle Width	930 mm
Performance	Max Speed(m/sec)	1.2m/sec
	Average Speed(m/sec)	About 0.7m/sec
	Rotating Diameter	1,036mm
	Max. Rotation Speed(radian/sec)	0.5
	Maximum Slope(Max Payload Condition)	Max. 5°
	Emergency Button	Up to 2ea
Safety &	LiDAR	Sick TIM561 or TIM571 2ea
Sensor Device	Camera	Intel Realsense 3D Depth Camera(2ea: Front)
	Minimum Obstacle Detection Size	30mm
Alarm Sound	Alarm	Sound & LED
& LED	Warning & Status Indication	LED & Buzzer
	Battery Type, Capacity	Li-lon, DC24V / 50Ah
	Battery Monitoring	SOC, SOH, Temp, Remaining Capacity, Available Energ
Battery &	Charging Time	About 1~1.5Hr
Charging Station	Charging Method	Autonomous Docking / Manual
	Charger Power(In/Out)	AC110~220V 10A / DC 29V 45A
	Charging Station Size	575 x 320 x 760mm
Environment	Ambient Operating Temperature(°C)	0 to +40
LITATIONNICH	Floor Requirements	No Water, No Oil, No Dirt
	Network	WIFI 2.4Ghz, 5GHz
Communication		LTE/5G Support(Optional)
	Equipment Communication	Hybrid PIO



WR300LD

Internal Transportation Platform for Semi-Automated Factory

Item	Contents	Specifications
	Navigation Type	SLAM
	Dimension(W x L x H, mm)	630 x 825 x 1,600mm
D = b = 4 D = = : =	Payload(kg)	300kg
Robot Basic	Driving System	Differential Drive
Specification	Wheel(Material, Size)	Urethane, Driving 6"(15cm) x 2, Sub" x 4
	Loading Method	Manual
	Moving Method	LCD touch
	Stop Accuracy	± 20mm
	Docking Accuracy(V Marker)	± 10mm
	Operation Time	12h(No Payload), 10h(Full Payload)
	Minimum Driving Aisle Width	930mm
Performance	Max Speed(m/sec)	1.2m/sec
	Average Speed(m/sec)	About 0.7m/sec
	Rotating Diameter	1,036 mm
	Max. Rotation Speed(radian/sec)	0.5
	Maximum Slope(Max Payload Condition)	Max. 5°
	Emergency Button	Up to 2ea
Safety &	LiDAR	Sick TIM561 or TIM571 2ea
Sensor Device	Camera	Intel Realsense 3D Depth Camera(2ea: Front)
	Minimum Obstacle Detection Size	30mm
Alarm Sound	Alarm	Sound & LED
& LED	Warning & Status Indication	LED & Buzzer
& LED	Display	LCD Touch
	Battery Type, Capacity	Li-lon, DC24V / 50Ah
	Battery Monitoring	SOC, SOH, Temp, Remaining Capacity, Available Energ
Battery &	Charging Time	About 1~1.5Hr
Charging Station	Charging Method	Autonomous Docking / Manual
	Charger Power(In/Out)	AC110~220V 10A / DC 29V 45A
	Charging Station Size	575 x 320 x 760mm
Environment	Ambient Operating Temperature(°C)	0 to +40
Environment	Floor Requirements	No Water, No Oil, No Dirt
Communication	Notucel	WIFI 2.4Ghz, 5GHz
Communication	Network	LTE/5G Support(Optional)



WR300CB

Internal Transportation Platform for Semi-Automated Factory

Item	Contents	Specifications
	Navigation Type	SLAM
	Dimension(W x L x H, mm)	630 x 825 x 940mm
Robot Basic	Payload(kg)	300kg
	Driving System	Differential Drive
Specification	Wheel(Material, Size)	Urethane, Driving 6"(15cm) x 2, Sub" x 4
	Loading Method	Manual
	Moving Method	LCD touch or Joystick
	Stop Accuracy	± 20mm
	Docking Accuracy(V Marker)	± 10mm
	Operation Time	12h(No Payload), 10h(Full Payload)
	Minimum Driving Aisle Width	930mm
Performance	Max Speed(m/sec)	1.2m/sec
	Average Speed(m/sec)	About 0.7m/sec
	Rotating Diameter	1,036mm
	Max. Rotation Speed(radian/sec)	0.5
	Maximum Slope(Max Payload Condition)	Max. 5°
Safety &	Emergency Button	Up to 2ea
Sensor Device	LiDAR	Sick TIM561 or TIM571 2ea
Selisor Device	Camera	Intel Realsense 3D Depth Camera (2ea : Front)
	Minimum Obstacle Detection Size	30mm
Alarm Sound	Alarm	Sound & LED
& LED	Warning & Status Indication	LED & Buzzer
& LED	Display	LCD Touch
	Battery Type, Capacity	Li-lon, DC24V / 50Ah
	Battery Monitoring	SOC, SOH, Temp, Remaining Capacity, Available Energ
Battery &	Charging Time	About 1~1.5Hr
Charging Station	Charging Method	Autonomous Docking / Manual
	Charger Power(In/Out)	AC110~220V 10A / DC 29V 45A
	Charging Station Size	575 x 320 x 760mm
Environment	Ambient Operating Temperature(°C)	0 to +40
LIMIOIIIIeiit	Floor Requirements	No Water, No Oil, No Dirt
Communication	Natural	WIFI 2.4Ghz, 5GHz
Communication	Network	LTE/5G Support(Optional)



WR300LF

Internal Cart Transportation Platform with Hook Lift

ltem	Contents	Specifications
	Navigation Type	SLAM
	Dimension(W x L x H, mm)	630 x 825 x 450mm
Robot Basic	Payload(kg)	300kg
	Driving System	Differential Drive
Specification	Wheel(Material, Size)	Urethane, Driving 6"(15cm) x 2, Sub" x 4
	Loading Method	Lift
	Stop Accuracy	± 20mm
	Docking Accuracy(V Marker)	± 10mm
	Operation Time	12h(No Payload), 10h(Full Payload)
	Minimum Driving Aisle Width	930mm
Performance	Max Speed(m/sec)	1.2m/sec
	Average Speed(m/sec)	About 0.7m/sec
	Rotating Diameter	1,036 mm
	Max. Rotation Speed(radian/sec)	0.5
	Maximum Slope(Max Payload Condition)	Max. 5°
	Emergency Button	Up to 3ea
Safety &	LiDAR	Sick TIM561 or TIM571 2ea
Sensor Device	Camera	Intel Realsense 3D Depth Camera(2ea : Front)
	Minimum Obstacle Detection Size	30mm
Alarm Sound	Alarm	Sound & LED
& LED	Warning & Status Indication	LED & Buzzer
	Battery Type, Capacity	Li-lon, DC24V / 50Ah
	Battery Monitoring	SOC, SOH, Temp, Remaining Capacity, Available Energ
Battery &	Charging Time	About 1~1.5Hr
Charging Station	Charging Method	Autonomous Docking / Manual
	Charger Power(In/Out)	AC110~220V 10A / DC 29V 45A
	Charging Station Size	575 x 320 x 760mm
Environment	Ambient Operating Temperature(°C)	0 to +40
Environment	Floor Requirements	No Water, No Oil, No Dirt
Communication	Network	WIFI 2.4Ghz, 5GHz
Communication	INCLIVIOR	LTE/5G Support(Optional)



WR600LF

Low-hight and Heavy Rated Load AMR with Pallet Lift Module

Item	Contents	Specifications
	Navigation Type	SLAM
	Dimension(W x L x H, mm)	920 x 1,310 x 318mm(/W Lift Module)
D - l + D : -	Payload(kg)	600kg
Robot Basic	Driving System	Differential Type
Specification	Wheel(Material, Size)	Urethane, Driving 6"(15cm) x 2, Sub" x 4
	Loading Method	Pallet Lift(Stroke 100mm)
	Stop Accuracy	± 20mm
	Docking Accuracy(V Marker)	± 10mm
	Operation Time	12h(No Payload), 10h(Full Payload)
	Minimum Driving Aisle Width	1,450mm
Performance	Max Speed(m/sec)	1m/sec
	Average Speed(m/sec)	About 0.7m/sec
	Rotating Diameter	1,618mm
	Max. Rotation Speed(radian/sec)	0.5
	Maximum Slope(Max Payload Condition)	Max. 3.0°
	Emergency Button	Up to 2ea
Safety &	LiDAR	Sick Nano Scan3 Safety System(2ea)
Sensor Device	Camera	Intel Realsense 3D Depth Camera(2ea : Front & Rear)
	Minimum Obstacle Detection Size	30mm
Indicator	Alarm	Sound & LED
maicator	Warning & Status Indication	LED & Buzzer
	Battery Type, capacity	Li-lon, DC50V 50Ah(Detachable)
	Battery Monitoring	SOC, SOH, Temp, Remaining Capacity, Available Energ
Battery &	Charging Time	About 1~1.5Hr
Charging Station	Charging Method	Autonomous Dock / Manual
Charging Station	Charger Power(In/Out)	AC110~220V 10A / DC 59V 45A
	Charging Contact Type	Automatic Sliding Push Type
	Charging Station Size	705 x 400 x 450mm
Fording	Ambient Operating Temperature(°C)	0 to +40
Environment	Floor Requirements	No Water, No Oil, No Dirt
Communication	Network	WIFI 2.4Ghz, 5GHz
Communication	NELWOIK	LTE/5G Support(Optional)



WR1000LF

Low-hight and Heavy Rated Load AMR with Pallet Lift Module

Item	Contents	Specifications
	Navigation Type	SLAM
	Dimension (W x L x H, mm)	956 x 1,350 x 318mm(/W Lift Module)
D - l+ D: -	Payload(kg)	1,000kg
Robot Basic	Driving System	Differential Drive
Specification	Wheel(Material, Size)	Urethane, Driving 8"(20cm) x 2, Sub" x 4
	Loading Method	Pallet Lift(Stroke 100mm)
	Stop Accuracy	± 20mm
	Docking Accuracy(V Marker)	± 10mm
	Operation Time	12h(No Payload), 10h(Full Payload)
	Minimum Driving Aisle Width	1,450mm
Performance	Max Speed(m/sec)	1.0m/sec
	Average Speed(m/sec)	About 0.7m/sec
	Rotating Diameter	1,618mm
	Max. Rotation Speed(radian/sec)	0.5
	Maximum Slope(Max Payload Condition)	Max. 5°
	Emergency Button	Up to 2ea
Safety &	LiDAR	Sick Nano Scan3 Safety System(2ea)
Sensor Device	Camera	Intel Realsense 3D Depth Camera(2ea : Front)
	Minimum Obstacle Detection Size	30mm
Alarm Sound	Alarm	Sound & LED
& LED	Warning & Status Indication	LED & Buzzer
	Battery Type, Capacity	Li-lon, DC24V / 50Ah
	Battery Monitoring	SOC, SOH, Temp, Remaining Capacity, Available Energ
Battery &	Charging Time	About 1~1.5Hr
Charging Station	Charging Method	Autonomous Docking / Manual
Charging Station	Charger Power(In/Out)	AC110~220V 10A / DC 29V 45A
	Charging Contact Type	Automatic Sliding Push Type
	Charging Station Size	705 x 400 x 450mm
Environment	Ambient Operating Temperature(°C)	0 to +40
Environment	Floor Requirement	No Water, No Oil, No Dirt
Camana uniti	Nationali	WIFI 2.4Ghz, 5GHz
Communication	Network	LTE/5G Support(Optional)



WR300M-TM

Autonomous Mobility Platform with Cobots

ltem	Contents	Specifications
	Navigation Type	SLAM
	Dimension(W x L x H, mm)	630 x 825 x 680mm(Mobile Platform)
	Payload(kg)	100Kg(Mobile Platform, /w Manipulator)
Robot Basic	Driving System	Differential Drive
Specification	Wheel(Material, Size)	Urethane, Driving 6"(15cm) x 2, Sub" x 4
	Manipulator	TM Manipulator(TM12)
	a.npanato.	- Payload : 12kg
		- Reach : 1,300mm
	Stop Accuracy	± 20mm
	Docking Accuracy(V Marker)	± 10mm
	Operation Time	About 6h
	Minimum Driving Aisle Width	930mm
Performance	Max Speed(m/sec)	1.2m/sec
remonnance	Average Speed(m/sec)	About 0.7m/sec
	Rotating Diameter	1,036mm
	Max. Rotation Speed(radian/sec)	0.5
	Maximum Slope(Max Payload Condition)	Max. 5°
	Emergency Button	Up to 2ea
Safety &	LiDAR	Sick TIM561 or TIM571 2ea
Sensor Device	Camera	Intel Realsense 3D Depth Camera(2ea: Front)
	Minimum Obstacle Detection Size	30mm
Alarm Sound	Alarm	Sound & LED
& LED	Warning & Status Indication	LED & Buzzer
	Battery Type, Capacity	Li-lon, DC24V / 50Ah
	Battery Monitoring	SOC, SOH, Temp, Remaining Capacity, Available Energ
Battery &	Charging Time	About 1~1.5Hr
Charging Station	Charging Method	Autonomous Docking / Manual
3 3	Charger Power(In/Out)	AC110~220V 10A / DC 29V 45A
	Charging Station Size	575 x 320 x 760mm
For insurant	Ambient Operating Temperature(°C)	0 to +40
Environment	Floor Requirement	No Water, No Oil, No Dirt
	N	WIFI 2.4Ghz, 5GHz with External Patch Ant.
Communication	Network	LTE/5G Support(Optional)



WR300M-RB

Autonomous Mobility Platform with Cobots

ltem	Contents	Specifications
	Navigation Type	SLAM
	Dimension(W x L x H, mm)	630 x 825 x 680mm(Mobile Platform)
	Payload(kg)	100kg(Mobile Platform, /w Manipulator)
Robot Basic	Driving System	Differential Drive
Specification	Wheel(Material, Size)	Urethane, Driving 6"(15cm) x 2, Sub" x 4
	Manipulator	Rainbow Robotics Manipulator
		- Payload : 12kg
		- Reach : 1,300mm
	Stop Accuracy	± 20mm
	Docking Accuracy(V Marker)	± 10mm
	Operation Time	About 6h
	Minimum Driving Aisle Width	930mm
Performance	Max Speed(m/sec)	1.0m/sec
	Average Speed(m/sec)	About 0.7m/sec
	Rotating Diameter	1,036mm
	Max. Rotation Speed(radian/sec)	0.5
	Maximum Slope (Max Payload Condition)	Max. 5°
	Emergency Button	Up to 2ea
Safety &	LiDAR	Sick TIM561 or TIM571 2ea
Sensor Device	Camera	Intel Realsense 3D Depth Camera(2ea : Front)
	Minimum Obstacle Detection Size	30mm
Alarm Sound	Alarm	Sound & LED
& LED	Warning & Status Indication	LED & Buzzer
	Battery Type, Capacity	Li-lon, DC24V / 50Ah
	Battery Monitoring	SOC, SOH, Temp, Remaining Capacity, Available Energ
Battery &	Charging Time	About 1~1.5Hr
Charging Station	Charging Method	Autonomous Docking / Manual
	Charger Power(In/Out)	AC110~220V 10A / DC 29V 45A
	Charging Station Size	575 x 320 x 760mm
Environment	Ambient Operating Temperature(°C)	0 to +40
Environment	Floor Requirement	No Water, No Oil, No Dirt
Communication	Mataragli	WIFI 2.4Ghz, 5GHz with External Patch Ant.
Communication	Network	LTE/5G Support(Optional)





WR300MM-TM

Autonomous and Flexible Mobility Platform with Cobots

Item	Contents	Specifications
	Navigation Type	SLAM
	Dimension(W x L x H, mm)	700 x 950 x 810mm(Mobile Platform)
	Payload(kg)	100kg(Mobile Platform, /w Manipulator)
Robot Basic	Driving System	Mecanum Wheel
Specification	Wheel(Material, Size)	Urethane, Driving 6"(15cm) x 2, Sub" x 4
	Manipulator	TM Manipulator(TM12)
	•	- Payload : 12kg
		- Reach : 1,300mm
	Stop Accuracy	± 10mm
	Docking Accuracy	± 5mm
	Operation Time	About 6h
	Minimum Aisle Width	850mm
Performance	Max Speed(m/sec)	0.6m/sec
	Average Speed(m/sec)	About 0.5m/sec
	Rotating Diameter	1,038mm
	Max. Rotation Speed(radian/sec)	0.5
	Maximum Slope(Max Payload Condition)	Max. 2°
	Emergency Button	Up to 2ea
Safety &	LiDAR	Sick Nano Scan3 Safety System(2ea)
Sensor Device	Camera	Intel Realsense 3D Depth Camera(2ea : Front & Rear
	Minimum Obstacle Detection Size	30mm
	Alarm	Sound & LED
Indicator	Warning & Status Indication	LED & Buzzer
	Display	LCD Touch
	Battery Type, Capacity	Li-lon, DC50V / 50Ah
	Battery Monitoring	SOC, SOH, Temp, Remaining Capacity, Available
D 11 0	Charging Time	About 1~1.5Hr
Battery &	Charging Method	Need with Battery Change Unit
Charging Station		Automatic Change time: about 50s
		Replacable Battery / Manual
	Charger Power(In/Out)	AC110~220V 10A / DC 59V 45A
	Ambient Operating Temperature(°C)	0 to +40
Environment	Floor Requirements	No Water, No Oil, No Dirt
Communication	Network	WIFI 2.4Ghz, 5GHz with External Patch Ant.
Communication	NELWOIK	LTE/5G Support(Optional)



WR300MM-NU

Autonomous and Flexible Mobility Platform with Cobots

Specification

Item	Contents	Specifications
	Navigation Type	SLAM
	Dimension(W x L x H, mm)	700 x 950 x 810mm(Mobile Platform)
	Payload(kg)	100kg(Mobile Platform, /w Manipulator)
Robot Basic	Driving System	Mecanum Wheel
Specification	Wheel(Material, Size)	Urethane, Driving 6"(15cm) x 2, Sub" x 4
	Manipulator	NEUROMEKA Nuri12
	·	- Payload : 12kg
		- Reach : 1,434mm
	Stop Accuracy	± 10mm
	Docking Accuracy	± 5mm
	Operation Time	About 4h
	Minimum Aisle Width	850 mm
Performance	Max Speed(m/sec)	0.6m/sec
	Average Speed(m/sec)	About 0.5m/sec
	Rotating Diameter	1,038mm
	Max. Rotation Speed(radian/sec)	0.5
	Maximum Slope(Max Payload Condition)	Max. 2°
	Emergency Button	Up to 2ea
Safety &	LiDAR	Sick Nano Scan3 Safety System(2ea)
Sensor Device	Camera	Intel Realsense 3D Depth Camera(2ea : Front & Rea
	Minimum Obstacle Detection Size	30mm
Alarm Sound	Alarm	Sound & LED
Alarm Sound & LED	Warning & Status Indication	LED & Buzzer
& LED	Display	LCD Touch
	Battery Type, Capacity	Li-lon, DC50V / 50Ah
	Battery Monitoring	SOC, SOH, Temp, Remaining Capacity, Available
D-44 0	Charging Time	About 1~1.5Hr
Battery &	Charging Method	Need with Battery Change Unit
Charging Station		Automatic Change time: about 50s
		Replacable Battery / Manual
	Charger Power(In/Out)	AC110~220V 10A / DC 59V 45A
	Ambient Operating Temperature(°C)	0 to +40
Environment	Floor Requirements	No Water, No Oil, No Dirt
Compressionation	Natural	WIFI 2.4Ghz, 5GHz with External Patch Ant.
Communication	Network	LTE/5G Support(Optional)

Mecanum Wheel



WR-ACS

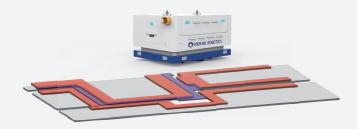
The AMR Real-time Integrated Control System manages and controls up to 100 robots simultaneously in real-time, enabling efficient operational management through linkage with higher-level systems such as ERP and MES.

Key Features of WR-ACS



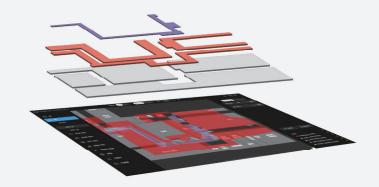
Web-based Responsive Control System

Real-time monitoring of AMR operation history and easy data access for operational details.



Geofencing-based Mission Settings

Real-time automated management of multiple AMR groups, enabling efficient operational management based on predefined area conditions.



Map Edition Function

Customizable robot routes, traffic control, and movements, adjustable to specific operational conditions for enhanced convenience and flexibility.



Scratch-based Mission Configuration

Easily assign missions to AMRs using the Scratch framework, enhancing productivity through simplified task creation.



Operation History and Issue Management

Systematic management of AMR operational history, including robot/fleet/failure event logs, providing insights for operation efficiency analysis. Helps quickly identify root causes and facilitates systematic issue resolution.



Operation Statistics

Analyze AMR operational data daily, weekly, or monthly, and visualize individual robot performance through graphical representations.



Integrated IoT Monitoring and Control System

Collect real-time data systematically from all linked devices, enabling real-time status checks and direct control commands as needed.



User-friendly GUI

Intuitive and user-friendly interface designed considering various operational environments and user types. Provides real-time operational information, easy AMR control, and swift interaction adjustments through the interface.



Allegro Hand V4(4F)

- · Light weight and portable anthropomorphic design
- · cost-effective dexterous manipulation with applications in research and industry
- · Multiple ready-to-use grasping algorithms Capable of handling a variety of object geometries

Number of Fingers	Four(4) Fingers, Including Thumb	
Degrees of Freedom	4 Fingers x 4 = 16(Active)	
	Туре	DC Motor
Actuation	Gear Ratio	1:369
Actuation	Max. Torque	0.70(Nm)
	Max. Joint Speed	0.11(sec/60 degree)
	Finger	0.17kg
Weight	Thumb	0.19kg
_	Total	1.08kg
Joint Resolution	Measurement	Potentiometer
Joint Resolution	Resolution(Nominal)	0.002 deg
	Туре	CAN
Communication	Frequency	333Hz
Payload	5kg	
Power Requirement	12, 24Vdc / 100W	
		-



Allegro Hand V5(3F)

- · Multiple ready-to-use grasping algorithms capable of handling a variety of object geometries
- \cdot 360-degree omnidirectional pressure-sensitive tactile sensor in the shape of a finger
- · 9 independent current-controlled joints (3 Fingers x 3 DOF ea.)

Number of Fingers	3 Fingers	
Degrees of Freedom	3 Fingers x 3 = 9(Active)	
Actuation .	Туре	DC Motor
	Gear Ratio	288.35:1
		159.59:1 (2 nd Joint of a Finger)
	Stall Torque	0.92Nm
		1.6Nm (2 nd Joint of a Finger)
	Nominal Torque	0.23Nm
		0.48Nm (2 nd Joint of a Finger)
Payload	12kg(Depending on the Measurement Method)	
Weight	1,050g	
Joint Resolution	0.088deg	
Communication	Туре	CAN, RS-485(Planned Support)
	Frequency	500Hz(CAN)
Power Requirement	24.0V / 5.0A / 120W	
Tactile Sensor(Optional)	Pressure Operating Range	30~125kPa
	Color Indicator	Returns '0' at atmospheric pressure(101.3 kPa
		Blue: 0~124Pa
		Cyan: 125~249Pa
		Green: 250~375Pa
		Yellow: 376~500Pa
		Red: 500~24,000Pa
	Temperature Operating Range	-40~85°C
	Pressure Accuracy	6Pa



Allegro Hand V5(4F) Plus

- · Multiple ready-to-use grasping algorithms capable of handling a variety of object geometries
- · 360-degree omnidirectional pressure-sensitive tactile sensor in the shape of a finger
- · 16 independent current-controlled joints (4 Fingers x 4 DOF ea.)

Number of Fingers	3 Fingers + 1 Thumb = 4	
Degrees of Freedom	4 Fingers x 4 = 16(Active)	
- Actuation	Туре	DC Motor
	Gear Ratio	288.35:1
		576.7:1(2 nd Joint of the Finger
		Excluding the Thumb)
	Stall Torque	0.92Nm
		1.84Nm(2 nd Joint of the Finger
		Excluding the Thumb)
	Nominal Torque	0.23Nm
		0.46Nm(2 nd Joint of the Finger
		Excluding the Thumb)
Payload	15kg(Depending on the Measurement Method)	
Weight	1,024g	
Joint Resolution	0.088deg	
Communication	Туре	CAN
	Frequency	500Hz(CAN)
Power Requirement	24.0V / 5.0A / 120W	
Tactile Sensor(optional) - -	Pressure Operating Range	30~125kPa
	Color Indicator	Returns '0' at Atmospheric Pressure(101.3 kPa
		Blue: 0~124Pa
		Cyan: 125~249Pa
		Green: 250~375Pa
		Yellow: 376~500Pa
		Red: 500~24,000Pa
	Temperature Operating Range	-40~85°C
	Pressure Accuracy	6Pa



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