

RH56E2 Series

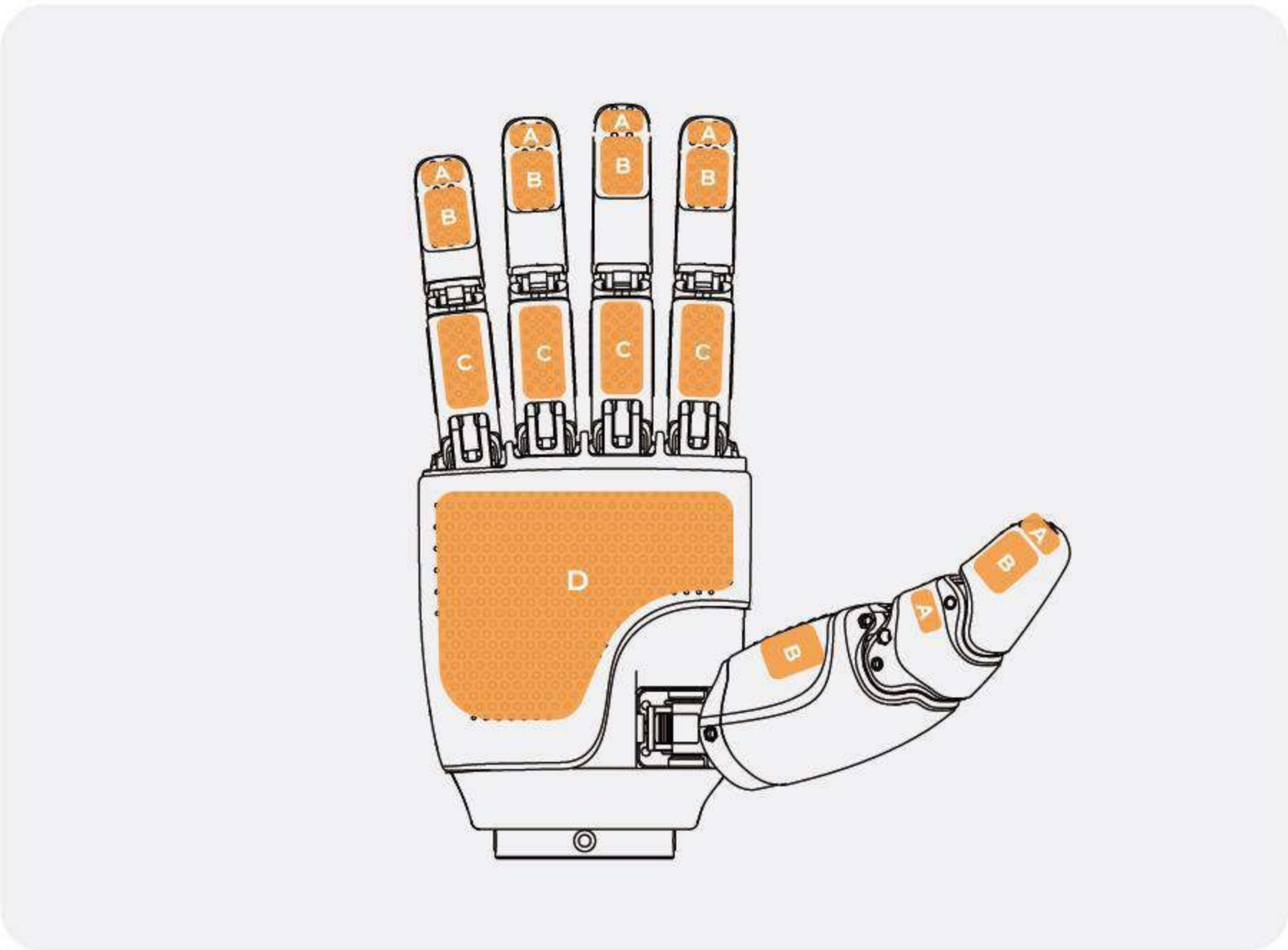
Building upon the existing force sensors, it's integrated a tactile sensor array across the palm surface. This upgrade enables real-time acquisition of localized tactile data, enhancing operational precision. With 3kg fingertip force output and human-like gripping capability.

- **Accurate tactile real-time perception**
- **Strong grip comparable to manual labor**
- **Power off self-locking is stable and reliable**

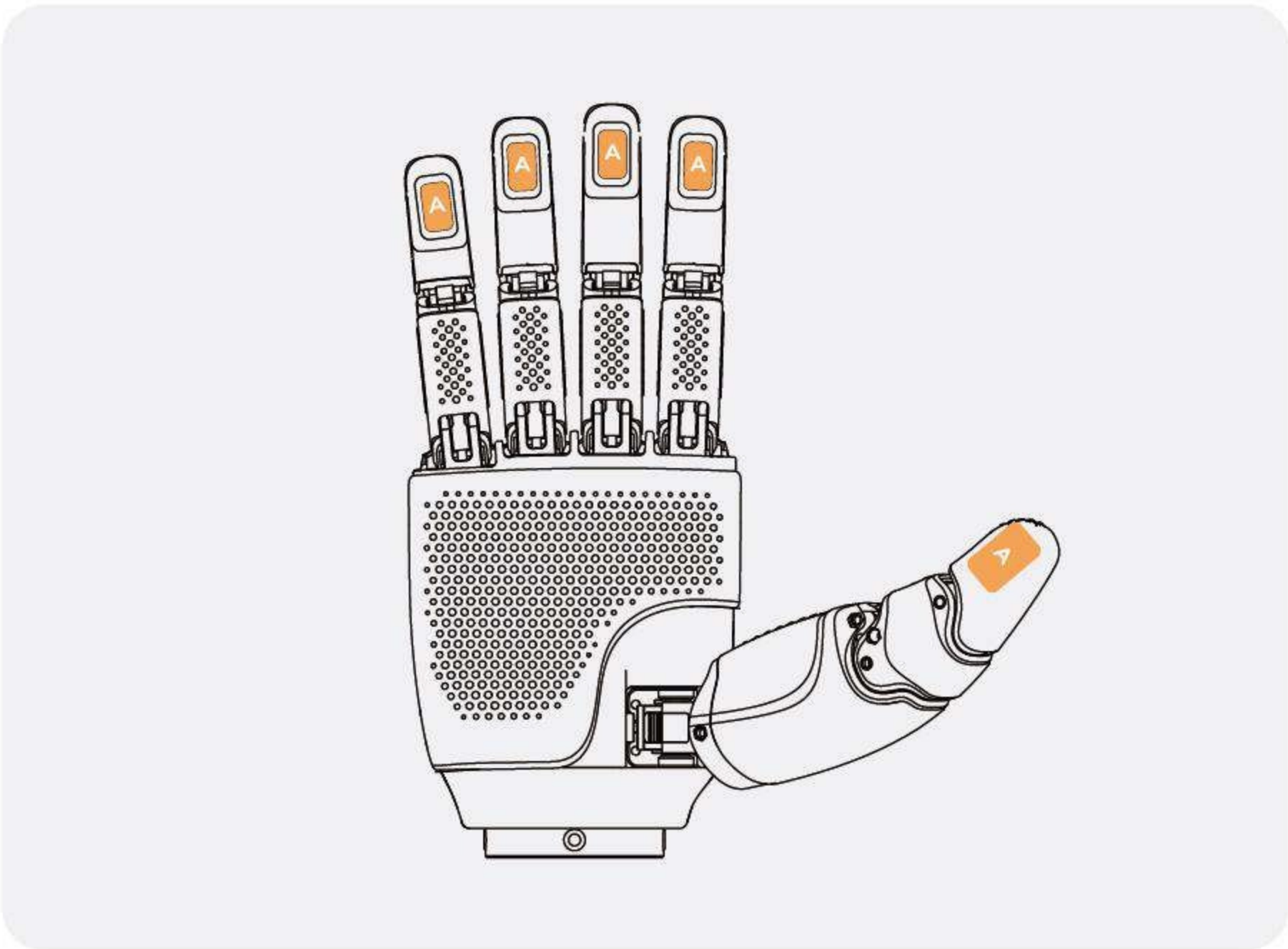


Model 0-CAN 2-RS485 T1-Resistance T2-Capacitance	RH56E2-0R-T1 (Right hand model) RH56E2-0L-T1 (Left hand model) RH56E2-2R-T1 (Right hand model) RH56E2-2L-T1 (Left hand model)	RH56E2-0R-T2 (Right hand model) RH56E2-0L-T2 (Left hand model) RH56E2-2R-T2 (Right hand model) RH56E2-2L-T2 (Left hand model)
Control interface	RS485、CAN、ModbusTCP	RS485、CAN、ModbusTCP
Degrees of freedom	6	6
Numbers of joints	12	12
Weight	790g±10g	790g±10g
Operating voltage	24V±10%	24V±10%
Quiescent current	0.25A	0.25A
Peak current	4A	4A
Repeatability	±0.20mm	±0.20mm
Fingertip Strength	30N	30N
Thumb Fingertip Strength	28N	28N
Force resolution	±0.05N	±0.05N
Lateral rotation range of thumb	75°~170°	75°~170°
Lateral rotation speed of thumb	>130°/s	>130°/s
Flexion speed of thumb	>130°/s	>130°/s
Flexion speed of four finger	>200°/s	>200°/s
Range of tactile sensor	0~30N	0~20N
Tactile sensor accuracy	≤5%FS	≤5%FS
Number of tactile sensors	17	5
Hand closing time	0.8S	0.8S

Distribution of tactile sensors



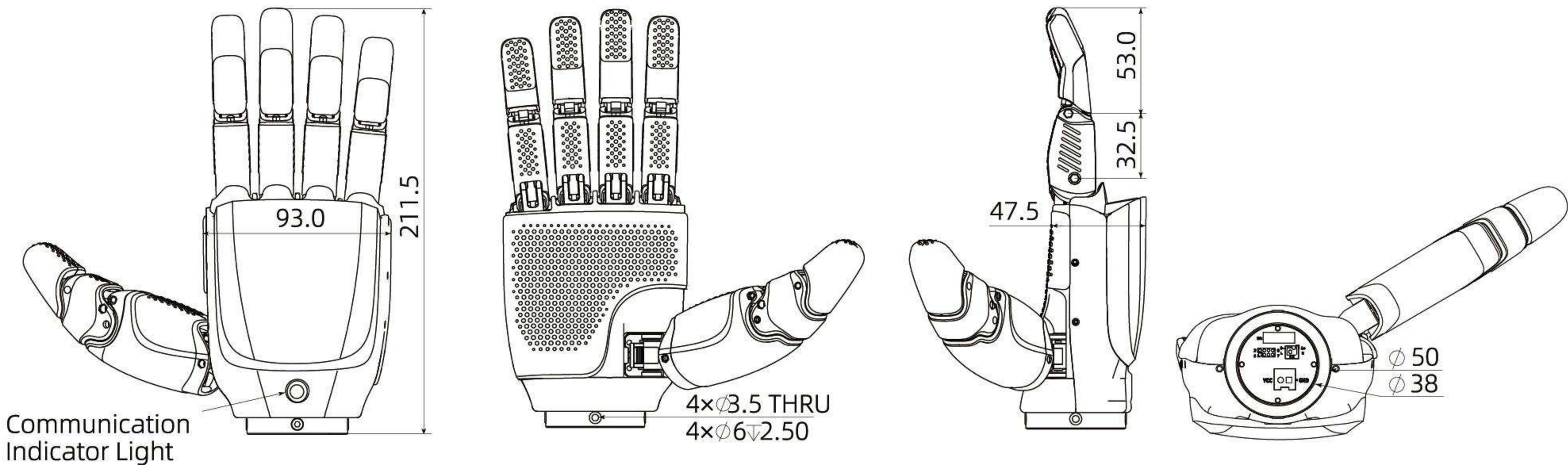
T1-Resistance



T2-Capacitance

Model	RH56E2-0L (Left hand model)	RH56E2-0R (Right hand model)
0-CAN 2-RS485	RH56E2-2L (Left hand model)	RH56E2-2R (Right hand model)
Control interface	RS485、CAN、ModbusTCP	RS485、CAN、ModbusTCP
Degrees of freedom	6	6
Numbers of joints	12	12
Weight	770g±10g	770g±10g
Operating voltage	24V±10%	24V±10%
Quiescent current	0.2A	0.2A
Peak current	4A	4A
Repeatability	±0.20mm	±0.20mm
Fingertip Strength	30N	30N
Thumb Fingertip Strength	28N	28N
Force resolution	±0.05N	±0.05N
Lateral rotation range of thumb	75°~170°	75°~170°
Lateral rotation speed of thumb	>130°/s	>130°/s
Flexion speed of thumb	>130°/s	>130°/s
Flexion speed of four finger	>200°/s	>200°/s
Hand closing time	0.8S	0.8S
Number of tactile sensors	/	/

Dimensions



Generation ROBOTS

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