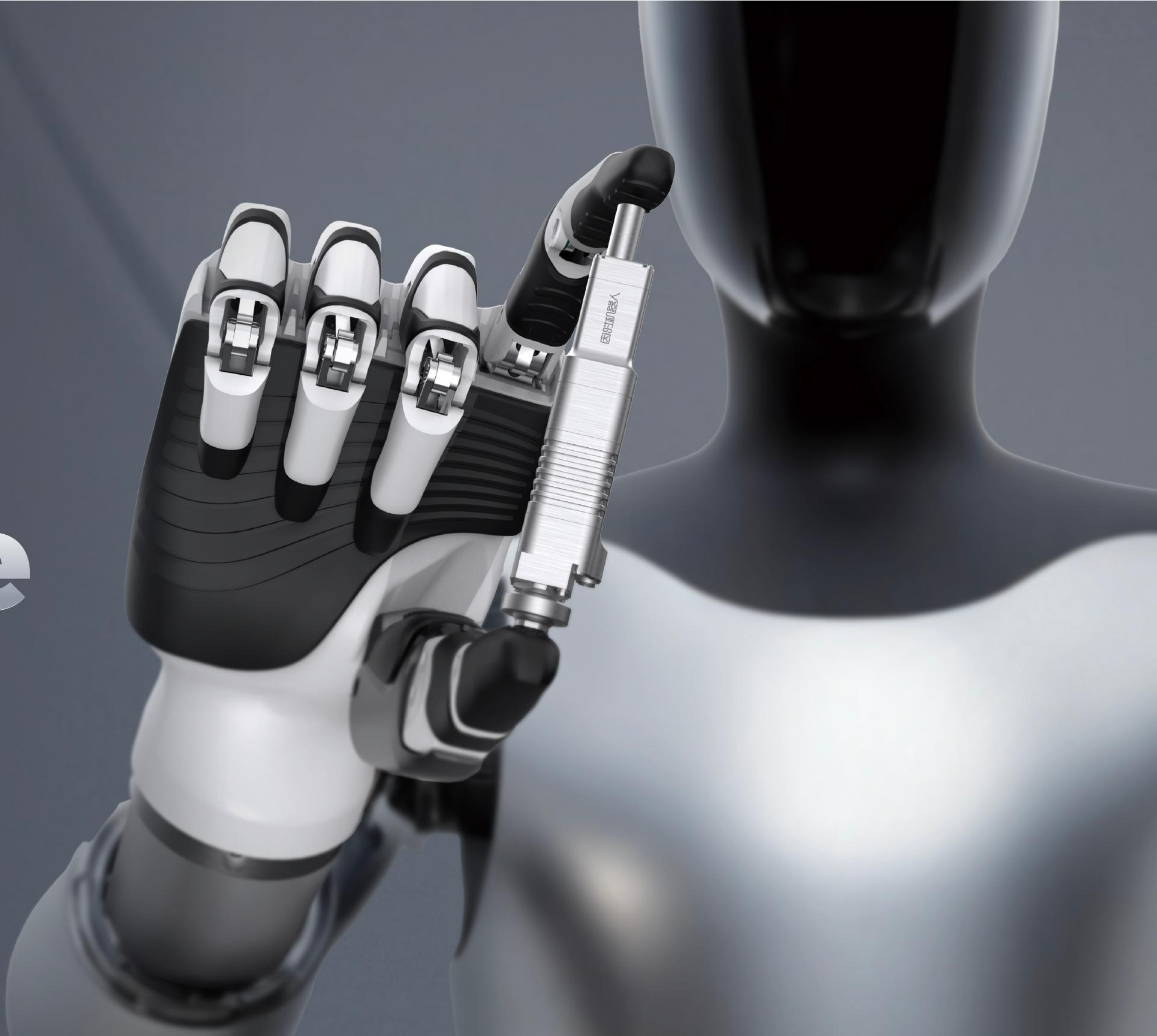


Dexterous Hand Product

Selection Guide

THE DEXTEROUS HANDS LEADER



Product Image					
Model	RH56BFX	RH56DFX	RH56E2	RH56F1	RH5DG2
Control interface	RS485/CAN	RS485/CAN	RS485/CAN/ModbusTCP	EtherCAT+RS485 EtherCAT+CAN FD	EtherCAT+RS485 EtherCAT+CAN FD
Degrees of freedom	6	6	6	6	13
Numbers of joints	12	12	12	12	18
Weight	540g	540g	790g±10g	620±10g	990±10g
Operating voltage	DC24V±10%	DC24V±10%	24V±10%	24V~48V	14V~48V
Quiescent current	0.09A	0.09A	0.25A	RS485: 194±10mA (24V) EtherCAT: 210±10mA (24V)	290±20mA (24V)
Peak current	2A	2A	4A	5A @24V	7.5A @24V
Repeatability	±0.20mm	±0.20mm	±0.20mm	±0.2mm	±0.2mm
Thumb Fingertip Strength	6N	15N	30N	≥15N	≥20N
Fingertip Strength	4N	10N	28N	≥10N	≥10N
Force resolution	0.50N	0.50N	±0.05N	0.1N	0.1N
Lateral rotation range of thumb	>65°	>65°	75°~170°	60~180°	60°~170°
Lateral rotation speed of thumb	235°/s	107°/s	>130°/s	>155°/s	165°/s
Flexion speed of thumb	150°/s	70°/s	>130°/s	>37°/s	155°/s
Flexion speed of four finger	570°/s	260°/s	>200°/s	>107°/s	175°/s
Index/Middle finger lateral swing	/	/	/	/	±15°
Maximum pressure on fingertip	8kg	8kg	8kg	8kg	8kg
Range of tactile sensor	/	/	0~30N	30N	30N
Tactile sensor accuracy	/	/	≤5%FS	5%FS	5%FS
Number of tactile sensors	/	/	5/17	8	8
Hand closing time	0.4S	0.8S	0.8S	≤0.8s	≤0.8s



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