

# Comparison

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	XARM 5	XARM 6	XARM 7
Payload	3kg	5kg	3.5kg
Reach	700mm	700mm	700mm
Degrees of freedom	5	6	7
Repeatability	±0.1mm	±0.1mm	±0.1mm
Maximum Speed	1m/s	1m/s	1m/s
Weight(robot arm only)	11.2kg	12.2kg	13.7kg

	XARM 5	XARM 6	XARM 7
Maximum Speed	180°/s	180°/s	180°/s
Joint 1	±360°	±360°	±360°
Joint 2	-118° ~ 120°	-118° ~ 120°	-118° ~ 120°
Joint 3	-225° ~ 11°	-225° ~ 11°	±360°
Joint 4	-97° ~ 180°	±360°	-11° ~ 225°
Joint 5	±360°	-97° ~ 180°	±360°
Joint 6		±360°	-97° ~ 180°
Joint 7			±360°

# Hardware

XARM	ROBOT SPECS
*Ambient Temperature Range	0-50°C
Power Consumption	Min 8.4 W, Typical 200 W, Max 400 W
Input Power Supply	24V DC, 16.5A
Footprint	Ø 126 mm
Materials	Aluminum, Carbon Fiber
Base Connector Type	M5*5
ISO Class Cleanroom	5
Robot Mounting	Any
End Effector Communication Protocol	Modbus RTU(rs485)
End Effector I/O	2*DI/2*DO/2*AI/1*RS485
Communication Mode	Ethernet

	AC CONTROL BOX	DC CONTROL BOX
Input	100-240VAC 50/60Hz	24VDC
Output	24VDC 20.8A	24VDC 672Wmax
Weight	3.9kg	2.6kg
Dimension(L*W*H)	285*135*101mm	262*160*76mm
Control Box IO	16*DI/16*DO/2*AI/2*AO	16*DI/16*DO/2*AI/2*AO
Communication	Ethernet, RS485 Master*1, RS485 Slaver*1	Ethernet, RS485 Master*1, RS485 Slaver*1

The control box is included in default.