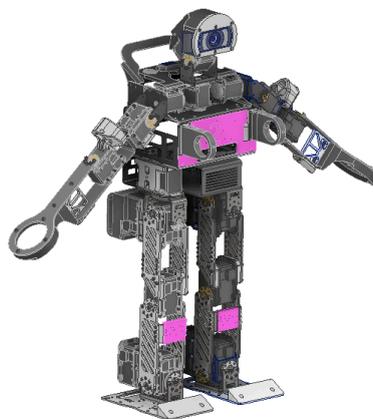


Robot Specification of ICHIRO ITS

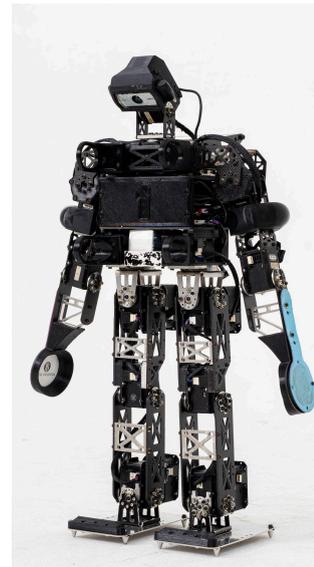
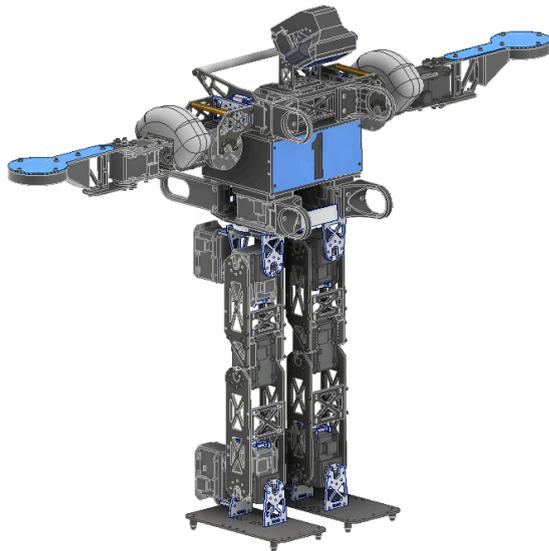
January 19, 2026

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Robot name	Hiro	
Height	563 mm	
Weight	5 kg	
Walking speed	~ 25 cm/s	
Degrees of freedom	20 DoF	
	8	MX-28 (Pitch, Roll, & Yaw)
	12	MX-64 (Pitch, Roll, & Yaw)
Actuators	Head and arm using Dynamixel MX 28	
	Leg using Dynamixel MX 64	
Sensors	Camera	Logitech C920
	IMU	BNO055 9 Degree of Freedom (Magnetometer is not used)
Computing unit	Intel NUC 10 (Intel i3-10110U)	
Materials	Head: PLA+ Body: Aluminium, CFRP, PLA+ Arm: Aluminium, CFRP, PLA+, TPU Leg: Aluminium, Stainless Steel SS304, CFRP	
Sub-Controller	ICHIRO Dynamixel Board	
OS	Linux (Ubuntu 24.04)	
Battery	Battery Lipo 4S 5000 mAh	
Other Specs	-	



Robot name	Siber	
Height	698mm	
Weight	6,7 kg	
Walking speed	~ 33 cm/s	
Degrees of freedom	20 DoF	
	8	MX-28 and MX-64 (Pitch, Roll, & Yaw)
	12	MX-106 (Pitch, Roll, & Yaw)
Actuators	Head and arm using combination of Dynamixel MX 28 & MX-64	
	Leg using Dynamixel MX-106	
Sensors	Camera	Logitech C920
	IMU	BNO055 9 Degree of Freedom (Magnetometer is not used)
Computing unit	Intel NUC 10 (i5 13420H)	
Materials	Head: PLA+ Body: Aluminium, CFRP, PLA+ Arm: Aluminium, CFRP, PLA+, TPU Leg: Aluminium, Stainless Steel SS304, CFRP	
Sub-Controller	ICHIRO Dynamixel Board	
OS	Linux (Ubuntu 24.04)	
Battery	Battery Lipo 4S 4200 mAh	
Other Specs	-	