

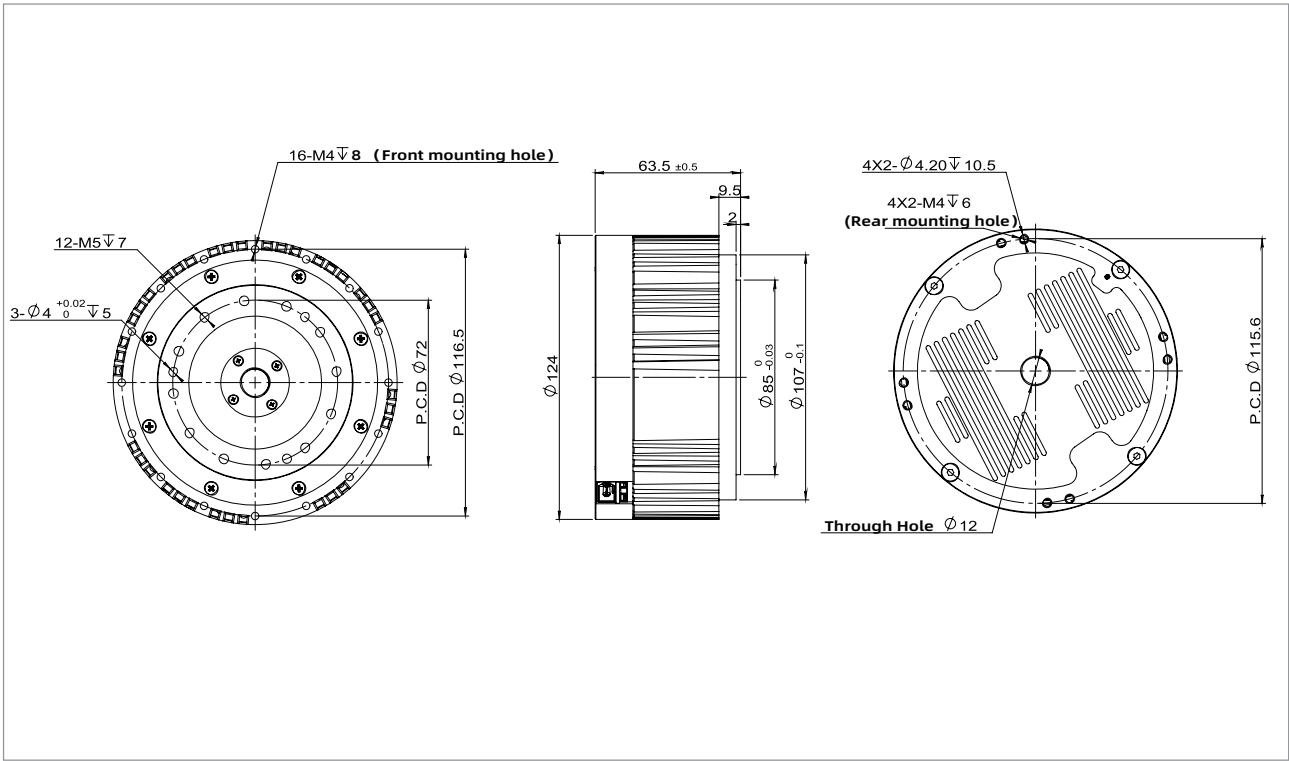
Series Name
RMD-X V4.1
Motor Simplified Name
X10-200



Dual encoder

Actuator Full Name	With Brake/Without Brake	Communication
RMD-X10-P20-200-E	N (without Brake)	EtherCAT & CAN BUS

Installation Drawing



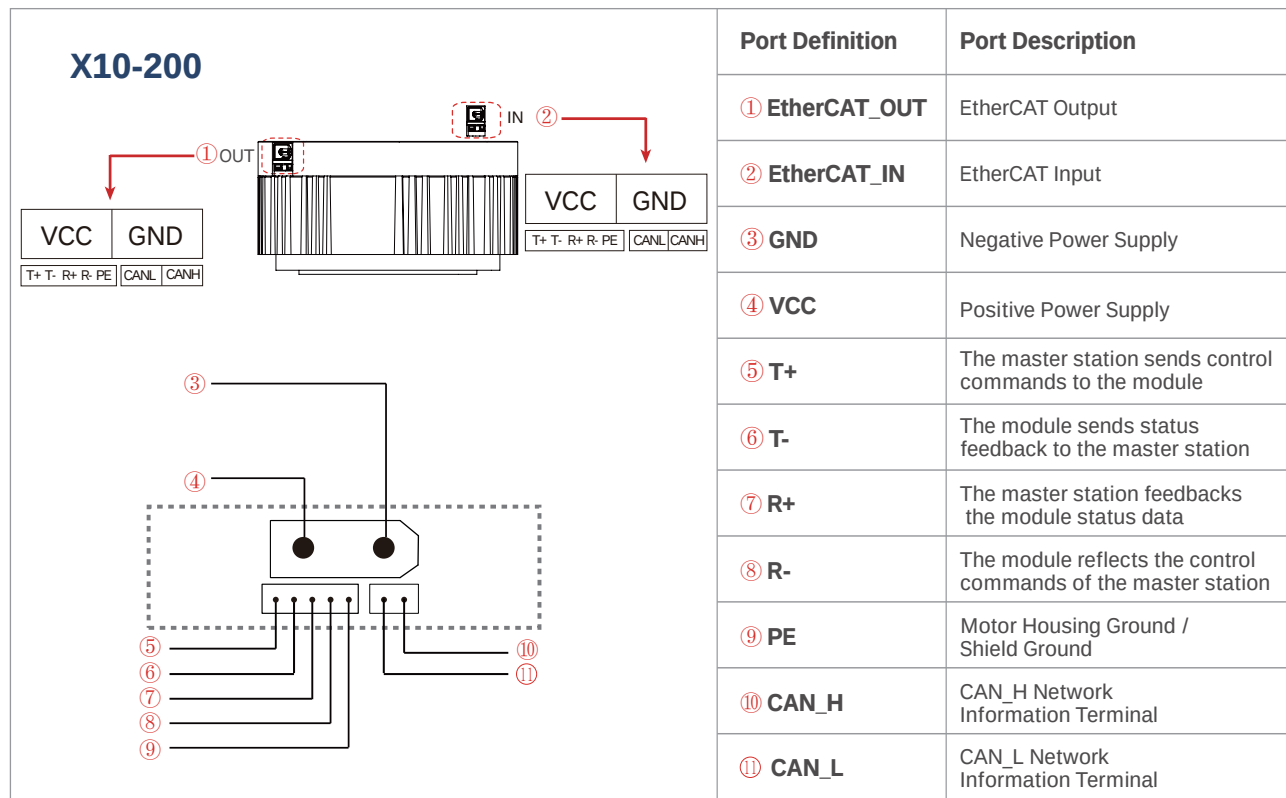
Product Parameters

Parameters	Unit	X10-200
Gear Ratio	—	20
Input Voltage	V	48
Voltage Range	V	20-55
No-load Speed	RPM	80
No-load InputCurrent	A	1
Rated Speed	RPM	74
Rated Torque	N.m	60
Rated Output Power	W	465
Rated Phase Current	A(rms)	12.7
	A(peak)	17.9
Peak Torque	N.m	170
Stall Torque	N.m	200
Stall Phase Current	A(rms)	56.6
Efficiency	%	80
Motor Back-EMF Constant	Vdc/Krpm	32.4
Module Torque Constant	N.m/A(rms)	5.1
	N.m/A(peak)	3.6
Motor Line Resistance	Ω	0.217
Motor Line Inductance	mH	0.304
Pole Pairs	—	20
Wiring Mode	—	Y
Backdrive Torque	N.m	1
Backlash	Arcmin	15
Output Shaft Bearing Model	—	CRBT 805
Axial Load C	KN	1.6
Radial Load Cr	KN	2.1
Moment of Inertia	Kg.m ²	0.003387
Encoder Type	—	Dual Encoder ABS-17BIT/ABS-19BIT
Absolute Positioning Accuracy	Degree	0.2
Repeat Positioning Accuracy	Degree	0.1
Communication Interface	—	EtherCAT / CAN BUS
Weight	Kg	1.64
Insulation Class	—	F
Dimensions	mm	124×63.5
Hollow Shaft Diameter	mm	12

Note:

1. The maximum operating voltage of the motor is 55V. It is recommended that customers add an external capacitor to regulate voltage, so as to ensure stable battery power supply and protect the PCB from damage caused by voltage fluctuations.
2. If voltage exceeds the rated value, the operating speed must not exceed the motor's rated speed.

X10-200 Interface Description



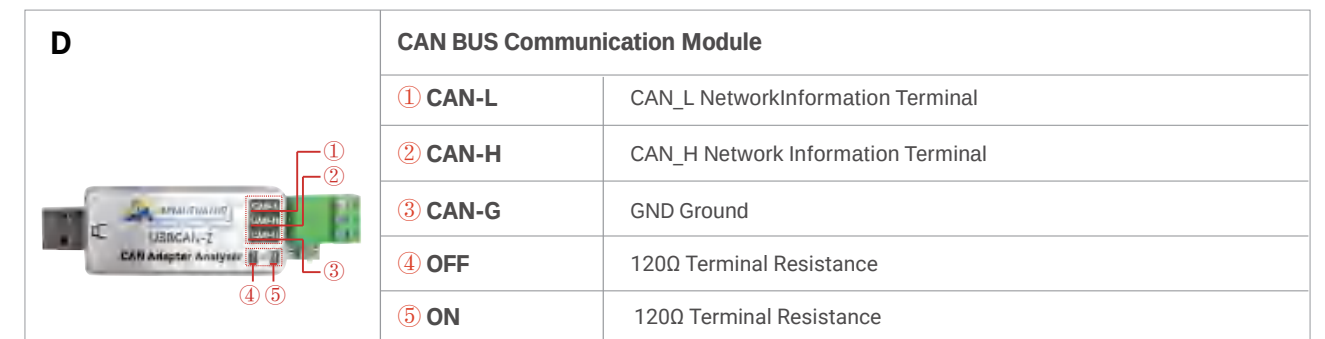
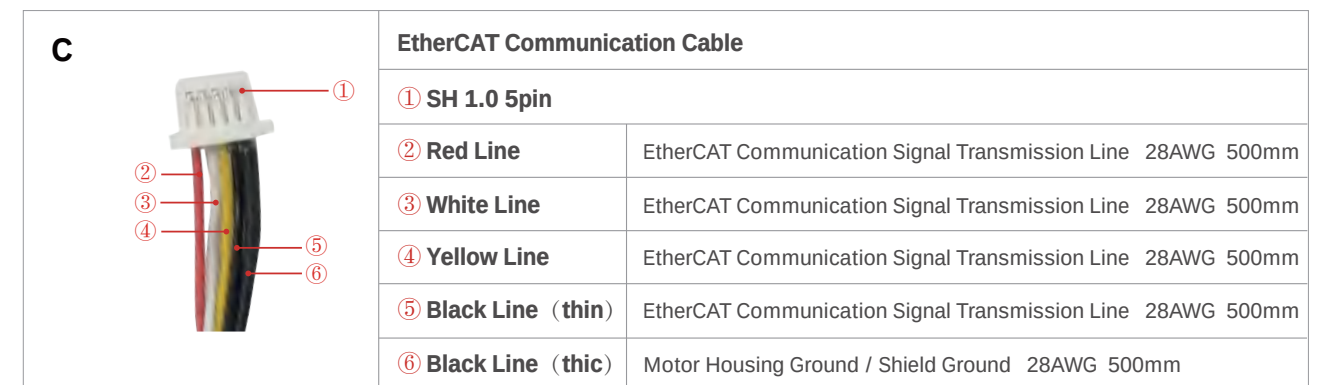
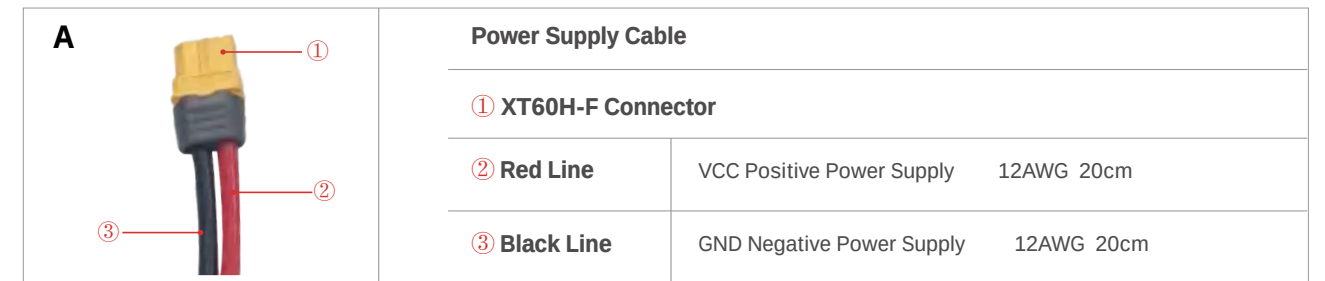
X10-200 Packaging Information



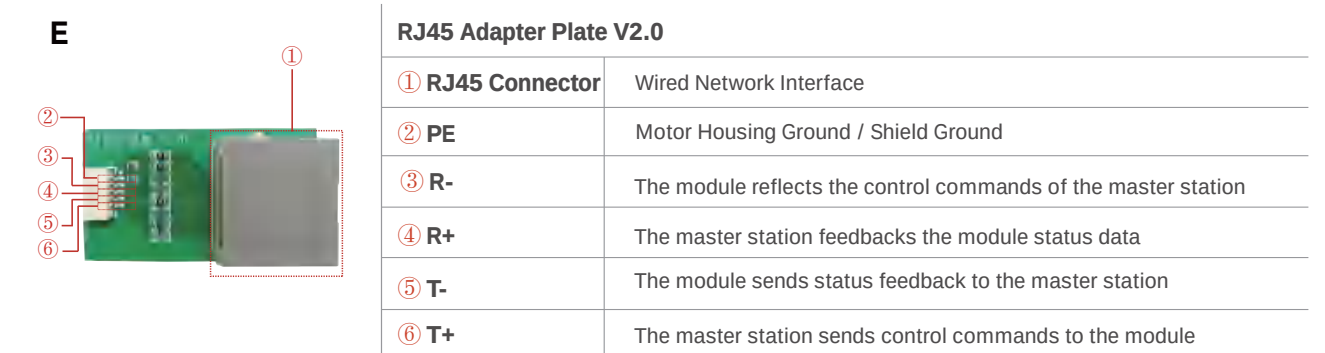
List:

- A. Power Supply Cable *2
- B. 120R plug-in resistor *1
- C. EtherCAT Communication Cable *2
- D. CAN BUS Communication Module *1
- E. RJ45 Adapter Plate V2.0 *1 (For Ethercat version)

X10-200 Accessories Marking Instructions



Notes: Each order includes one USB-CAN adapter. For additional adapters, please contact our sales team to place an order.



Notes: Ethercat version - Each order includes one RJ45 adapter. For additional adapters, please contact our sales team to place an order.