

BOM	Product/Project: Titan Quadruped		https://www.printables.com/@TomKnox		
	Revision date: 2025-12-01				
Level	Description	Qty	ALIEXPRESS	AMAZON	Description
>	Caterpillar Tracks				
>>	RC Car Tracks (Budget Friendly)	1	ALIEXPRESS LINK	Amazon Link	Designed with these in mind.
>>	RC Car Tracks (More robust option) **	1	ALIEXPRESS LINK	Amazon Link	** Alternative - More robust but more expensive
>>	DC Motor	2	ALIEXPRESS LINK	Amazon Link	JGA25-370-1260 60RPM 12v
>>	Servo Motor HTS-35H	8	ALIEXPRESS LINK	Amazon Link	
>>	Servo Motor MG996R **	8	ALIEXPRESS LINK	Amazon Link	** Alternative to HTS-35H - Cheaper (not tested)
>>	Servo Motor MG90S	2	ALIEXPRESS LINK	Amazon Link	(For the Camera pan/tilt)
>>	Antenna	2	ALIEXPRESS LINK	Amazon Link	IPEX, 15cm
>>	Long U-bracket	4	ALIEXPRESS LINK	Amazon Link	
>>	Multifunctional Bracket	8	ALIEXPRESS LINK	Amazon Link	
>>	Stent Bracket	8	ALIEXPRESS LINK	Amazon Link	
>>	25T Servo disc	8	ALIEXPRESS LINK	Amazon Link	If your servo comes with discs ignore this.
>	PCB				
>>	Titan Main Controller	1	Order PCB HERE		Make sure to order with Assembly
>>	Titan Servo Controller	1	Order PCB HERE		Make sure to order with Assembly
>	Misc				
>>	Resistor set	1	ALIEXPRESS LINK	Amazon Link	
>>	22AWG Power Cable	-	ALIEXPRESS LINK	AMAZON Link	Minimum 12AWG, for wires expected to carry current above 2A and/or voltage above
>>	12AWG - Signal Cable	-	ALIEXPRESS LINK	AMAZON Link	22-30AWG, recommend solid core, used for all other wires
>>	Velcro	-	ALIEXPRESS LINK	Amazon Link	For cable management
>>	Cable Sleeve	1m	ALIEXPRESS LINK	Amazon Link	8mm (For cable management)
>>	7x7x3mm Heat Sink	20	ALIEXPRESS LINK	Amazon Link	
>	Fasteners				
>>	Socket Button Head Screw	-	ALIEXPRESS LINK	AMAZON Link	M2-M3 x 2510pcs
>>	Socket head cap Screw	-	ALIEXPRESS LINK	AMAZON Link	2500pcs M2M2.5M3
>>	Socket head cap Screw	-	ALIEXPRESS LINK	AMAZON Link	1410pcs M3M4M5
>>	Countersunk Socket Head Cap Screw	-	ALIEXPRESS LINK	AMAZON Link	3045pcs - M2, M3, M4, M5, M6, M8
>>	M3 Nuts	-	ALIEXPRESS LINK	Amazon Link	
>>	Spacer M3x6	8	ALIEXPRESS LINK	Amazon Link	
>>	Spacer M3x20	4	ALIEXPRESS LINK	Amazon Link	
Filament					
>>	PC / ASA / ABS / PETG Filament	-	ALIEXPRESS LINK	AMAZON Link	
>>	PC-CF / PETG-CF / PA-CF / ABS+ (Engineering Grade Fila	-	ALIEXPRESS LINK	AMAZON Link	
>>	PLA	-	ALIEXPRESS LINK	AMAZON Link	
>>	TPU	-	ALIEXPRESS LINK	AMAZON Link	
Tools					
>>	Soldering Iron TS101	-	ALIEXPRESS LINK	AMAZON Link	(Recommended)
>>	Heat Inset Tip Kit - For TS101	-	ALIEXPRESS LINK	AMAZON Link	(Recommended)
>>	Electric Precision Screwdriver	-	ALIEXPRESS LINK	AMAZON Link	(Recommended)
>>	Allen Key Set	-	ALIEXPRESS LINK	AMAZON Link	(Recommended)
>>	Torx Key Set	-	ALIEXPRESS LINK	AMAZON Link	(Recommended)
>>	Torque Screwdriver	-	ALIEXPRESS LINK	AMAZON Link	(Recommended)
>>	Wire stripper	-	ALIEXPRESS LINK	AMAZON Link	(Recommended)
>>	Wire cutter	-	ALIEXPRESS LINK	AMAZON Link	(Recommended)
>>	Heat Insert Press Tool	-	ALIEXPRESS LINK	AMAZON Link	(Recommended)
>>	Crimp Tool	-	ALIEXPRESS LINK	AMAZON Link	(Recommended)
>>	Soldering Iron - Generic (Alternative)	-	ALIEXPRESS LINK	AMAZON Link	Budget friendly alternative
>>	Heat insert tip - set (Alternative)	-	ALIEXPRESS LINK	AMAZON Link	Budget friendly alternative
>>	Precision Screwdriver Set	-	ALIEXPRESS LINK	AMAZON Link	Budget friendly alternative

>>	3D printed components	QTY	Material	
>>	0013-0101 MainPCB_Bracket	1	PC / ABS / PETG / PLA	
>>	0013-0102 BatteryDoor	2	PC / ABS / PETG / PLA	
>>	0013-0103 Handle	2	PC / ABS / PETG / PLA	
>>	0013-0104 LegBody_Interface	4	PC / ABS / PETG / PLA	
>>	0013-0105 MainBodyFront	1	PC / ABS / PETG / PLA	
>>	0013-0106 MainBody_Handles	2	PC / ABS / PETG / PLA	
>>	0013-0107 LeftSidePanel	2	PC / ABS / PETG / PLA	
>>	0013-0108 MainBody_Frame	1	PC / ABS / PETG / PLA	
>>	0013-0109 Dorsal Plate	2	PC / ABS / PETG / PLA	
>>	0013-0110 BodyFlantParts	2	PC / ABS / PETG / PLA	
>>	0013-0111 Top Cover	2	PC / ABS / PETG / PLA	
>>	0013-0111 Servo Bracket Distance	8	PC / ABS / PETG / PLA	
>>	0013-0201 9g_ServoWheel	2	PC / ABS / PETG / PLA	
>>	0013-0202 Gimbal_Base	1	PC / ABS / PETG / PLA	
>>	0013-0203 Gimbal_Arm	1	PC / ABS / PETG / PLA	
>>	0013-0204 Gimbal Bracket	1	PC / ABS / PETG / PLA	
>>	0013-0301 Track_Housing	4	PC / ABS / PETG / PLA	
>>	0013-0302 Track_OuterCover	8	PC / ABS / PETG / PLA	
>>	0013-0303 DC_Motor_Bracket	4	PC / ABS / PETG / PLA	