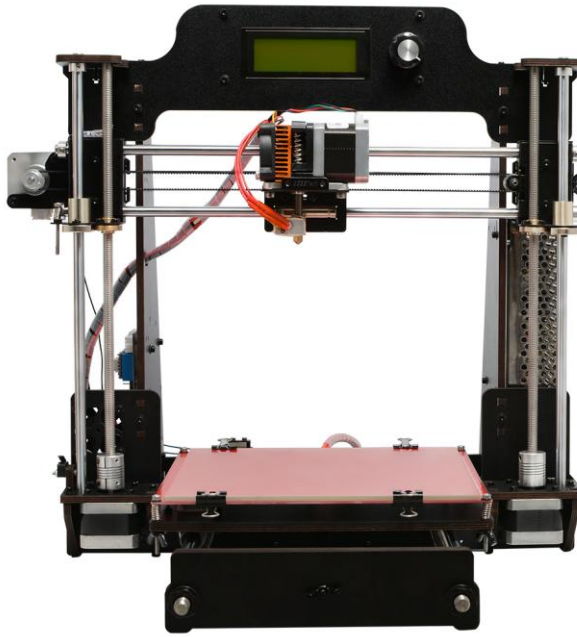
Geeetech Prusa I3 Pro W

3D Printer DIY kit



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Technical Support

If you are interested in the technology of 3D printing, flight control and U-home, welcome to Geeetech, we have series of made-up products, main boards, modules and a variety of peripherals for you. Or if you are looking for relevant information or technical support, please log in our Forum where you can find anything you want about open source. To know more about our new products, please visit www.geeetech.com, we will serve you wholeheartedly.

SAFETY INSTRUCTIONS

Building the printer will require a certain amount of physical dexterity, common sense and a thorough understanding of what you are doing. We have provided detailed instructions to help you assemble it easily, please download at geeetech.com.

However ultimately we cannot be responsible for your health and safety whilst building or operating the printer, with that in mind be sure you are confident with what you are doing prior to commencing with building or buying. Read the entire manual to enable you to make an informed decision.

Building and operating involves electricity, so all necessary precautions should be taken and adhered to, the printer runs on 12V supplied by a certified power supply, so you shouldn't ever have to get involved with anything over 12V but bear in mind there can still be high currents involved and even at 12V they shouldn't be taken lightly.

High temperatures are involved with 3D Printing, the Extrusion nozzle of the hot end can run about 230℃, the heated bed runs 110℃ and the molten plastic extruded will initially be at around 200℃, so

special care and attention should be made when handling these parts of the printer during operation.

We wouldn’t recommend leaving your printer running unattended, or at least until you are confident to do so. We cannot be held responsible for any loss, damage, threat, hurt or other negligent result from either building or using the printer.

INTRODUCTION:

Geeetech Prusa I3 pro W 3D printer is engineered and manufactured by Shenzhen Getech Technology Co., Ltd. Compared with other Geeetech I3 pro printers, the whole frame of I3 pro W, made of high-quality wood, is greatly simplified and portable. Its DIY design would bring great sense of accomplishment when you see a whole machine walking out of fragmentary parts. Beside, I3 pro W keeps the excellent features of the I3 series 3D printers: High printing accuracy and speed, open filament system, smooth and exquisite surface finish and strong structure of the 3D objects, safe and satisfactory printing experience. Paired with EasyPrint 3D printing software, Geeetech I3 pro W makes it a reality to easily manage the whole printing job for both newbies and pros alike.

If you add a Wi-Fi module on it, you can remote control your pro W via our EasyPrint 3D APP, enjoy plentiful free 3D models in our cloud gallery, which enables you to print anywhere, anytime.

Unleash your bold ideation with the Geeetech Prusa I3 pro W!

(Note: Wi-Fi module is not included in this kit, you need to buy separately)

PACKAGE LIST:

This list includes all the parts required to assemble your Pro W 3D Printer. After you received your package, please check if all the parts listed are included. Also make sure all the components are in good condition and not damaged during shipping. If anything is missing please contact with our customer service straight away, provide us the NO. , Name, and Qty.

No	Name	Specifications	Qty	Pic
1	Smooth Rod	ψ 8*L322mm Z axis	2	
2	Smooth Rod	ψ 8*L390mm X axis	2	
3	Smooth Rod	ψ 8*L410mm Y axis	2	
4	Threaded Rod	M8*L300mm Z-axis screw	2	
5	Threaded Rod	M10*L450mm Y-axis	2	

6	Washer	M2.5	6	
7	Washer	M3	100	
8	Washer	M10	12	
9	Nut	M2.5	6	
10	Nut	M3	26	
11	Nut	M4	2	
12	Nut	M10	12	
13	Lock nut	M4	2	

14	Wing nut	M3	5	
15	Square nut	M3	25	
16	Z-axis nut	Φ8（tin-bronze）	2	
17	Spring washer	M10	6	
18	locking ring	Φ8 with Jimmy screws	8	
19	Screw	M2.5x8 mm	2	
20	Screw	M2.5x16 mm	4	
21	Screw	M3x6mm	25	
22	Screw	M3x10mm	17	
23	Screw	M3x12mm	7	
24	Screw	M3x16mm	46	
25	Screw	M3x20mm	4	
26	Screw	M3x35mm	5	

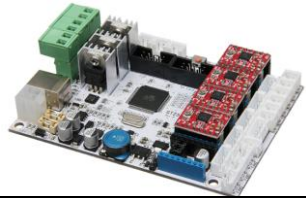
27	Screw	M3x40mm	1	
28	Screw	M4x6mm	4	
29	Screw	M4x25mm	2	
30	Screw	countersunk head M3x16mm	2	
31	Spring	20mm	5	
32	Linear Bearings	LM8UU	3	
33	Linear Bearings	LM8LUU	2	

34	Linear bearing	LMH8UU	2	
35	Timing Belts	Y axis	1	
36	Timing Belts	X axis	1	
37	Driven wheel holder	Metal plate	2	
38	Couplings	5-8mm	2	
39	Pulleys	20T D5	2	

40	Driven wheel		2	
41	Ball bearing	MR84zz（Placed in No.40）	4	
42	Spacer	For control board	4	
43	Spacer	For LCD	4	
44	Dovetail clamp	19mm	4	
45	Heat sink		4	
46	Sticker		1	

47	Belt bracket		2	
48	Knob	For LCD	1	
49	Fan	40x40x10mm 12V	1	
50	Fan extension cable	3-Pin M-F	1	
51	USB Cord	A-B	1	

52	End stop	blue / red / black	3	
53	Power input cable		1	
54	Power output cable		1	
55	Heat bed set	With heating wire and Thermo- wire	1kit	

56	Borosilicate glass		1	
57	Power supply unit	110V- 240V DC12V/0-15A	1	
58	Stepper motor		4	
59	Extruder	MK8 extruder	1	
60	Control board	GT2560+4 A4988	1set	

61	LCD 2004	LCD2004	1	
62	Zip ties	3*150mm	30	
63	Coil	3M	1	
Wooden kits				
W1-A	XZ frame (up)	I3-01	1	
W1-B	XZ frame (bottom)	I3-01	1	

W2	Left side frame	I3-02	1	
W3	Right side frame	I3-03	1	
W4	Z motor fix plate (left)	I3-04	1	
W5	Z motor fix plate (right)	I3-05	1	
W6	Z motor support plate	I3-06	3	

W7	Z motor support plate	I3-07	1	
W8	Z top mount	I3-08	2	
W9	Front support plate A	I3-09	1	
W10	Front support plate B	I3-10	1	
W11	Rear Support plate C	I3-11	1	

W12	Rear support plate D	I3-12	1	
W13	Y motor fix plate	I3-13	1	
W14	Y axis connect plate	I3-14	2	
W15	Building platform	I3-15	1	
W16	Y bearing block	I3-16	3	

W17	belt bracket mount	I3-17	1	
Metal Parts				
M1	X-axis left end	left	1	
M2	X-axis right end	Right	1	
M3	Bearing mount	PI3F-S07	1	

M4	Bearing Bracket	PI3F-08	4	
M5	Extruder bracket	PI3B-S01	1	
Free add-on				
F1	Ejector pin		1	
F2	File		1	

F3	Filament spool set	Wooden kits	1kit	
F4	Starter filament	About 3 meters	1	
F5	Screw driver kit			
F6	Ball-point pen		1	

GENERAL CARE AND MAINTENANCE

As with all the electronic equipment, it is important to keep your printer clean to extend its life. Regularly remove dust and debris with a microfiber cloth or compressed air. Dredge the tube and the nozzle after use every time to ensure fluent performance.

- Don’t leave the heaters on the printer turned on for a long periods of time when not used.
- Don’t leave your printer in shady and moist places, which may exacerbate the problems associated with erosion.
- The three axes of the GEEETECH I3 Pro W are lubricated with grease for smooth operation and can last for a long time. Grease may need to be re-applied to your printer to maintain smooth performance.
- Avoid positioning your power supply unit in such a way that the brick is hanging, pulling, or putting any unnecessary stress in the electrical wires and components.

SUPPROT

Thanks for choosing Geeetech, we strive to provide a satisfied and pleasant shopping experience for you, but we do understand there may be some questions you may encounter in using our product. If so, you can contact us directly or post on our forum, our technique staff will help you resolve it. For more detailed information, you can also visit Geeetech wiki from our home page.

(https://www.geeetech.com)

For detailed building instructions, please download at:

https://www.geeetech.com/geeetech-prusa-i3-pro-w-3d-printer-diy-kit-p-1014.html

For detailed building videos, please check at YouTube:

https://www.youtube.com/playlist?list=PLODCkot3GrigDNAiILi4PDbKfZE41VtgG

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