

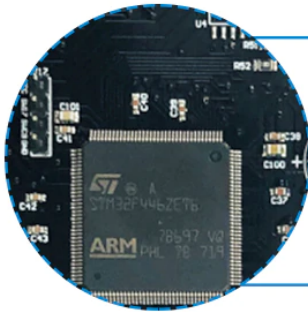
◆ Introduction ◆

"ChiTu F X series" equipped with STM32F446 180MHz high frequency M4 core ARM chip, support a variety of sizes color touch screen.Support a variety of slice software and machine structure. Support double Z/double E, a total of 5 Motor, support U disk, 12 languages.

◆ Basic Parameters ◆

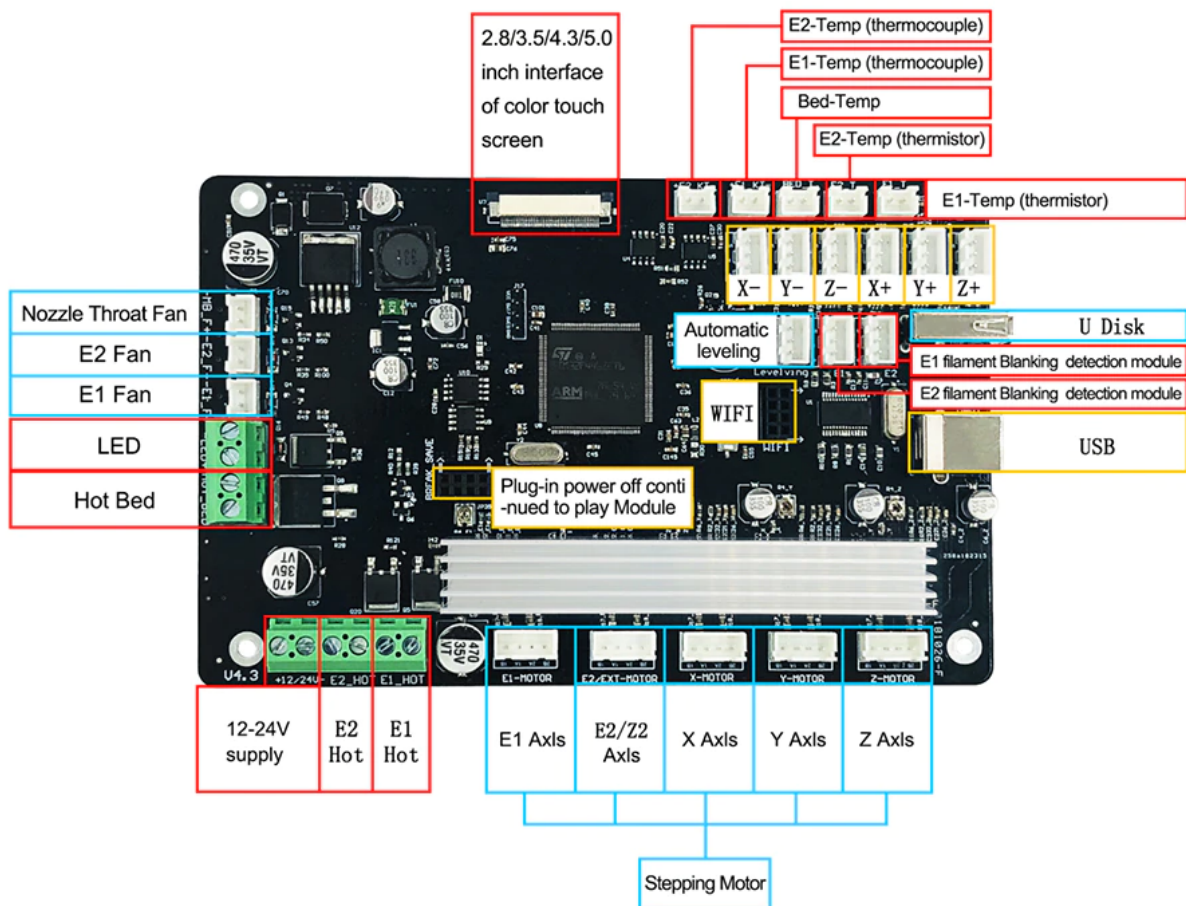
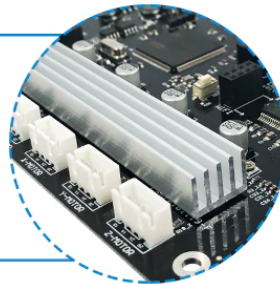
Microprocessor:	ARM STM32F446 (180MHz)
Input Voltage:	12-24V
Size:	160*105mm (external 144*92mm)
Power Interface:	Normal Type
Stepper Drivers:	TMC2209
Stepper Drivers Interface:	5 in total, X;Y;Z;E1;E2/Z2
Temperature Sensor interface:	5 in total, 3paths 100K NTC thermistor + 2paths MAX6675 thermocouple
Mosfet Interface :	8 total ; 3 fans, 2 nozzles, 1 LED, 1 heatbed, 1 power supply
Data Interface:	U Disk, USB
LCD screen Supported:	2.8/3.5/4.3/5.0 inch
File Format Supported:	G-code (customizable)
Machine structure supported:	XYZ/HBOT/ULTIMAKER/CoreXY/De Ita/Kossel
Software supported:	Simplify3D/Cura/Prusa.etc.
Expandable modules :	WIFI/ USB/ Heatbed MOS/ Power resuming

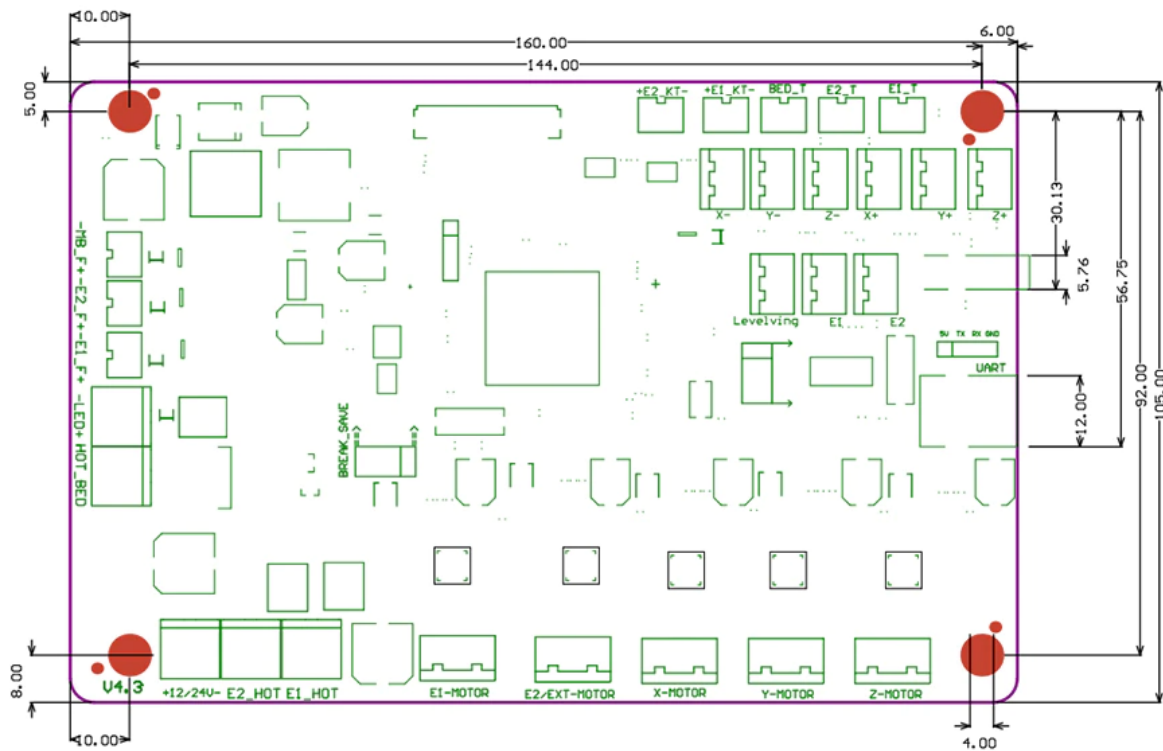
◆ Detailed Display ◆



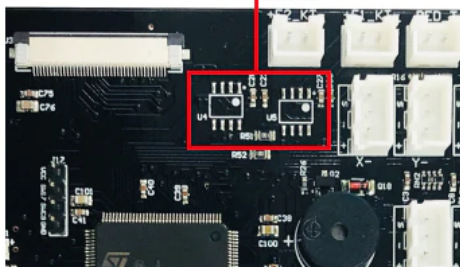
1. Powerful intelligent support
----The perfect combination of
experience and performance.

2. Offline system+2K resolution
----Making printing more efficient.



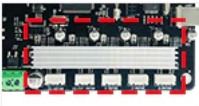
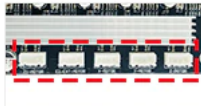


Thermocouple
motherboard
with
therocouple chip,
please noto.



The motherboard is divided into thermistor and thermocouple two types, if it is thermocouple motherboard, there will be more than one thermocouple chip, please note that as shown below.

◆ Microprocessor & Interface ◆

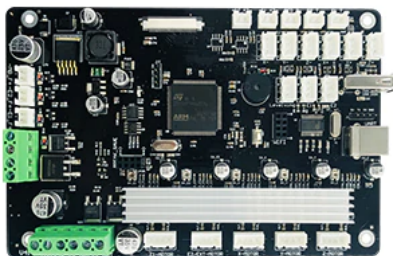
Pics:	Description:	Pics:	Description:
	ARM STM32F446 Operating voltage electronics : 3.3V DC Current per I/O pin : 40mA Clock Speed : 180MHz		Hot bed Voltage : 12/24V Current : ≤5A Interface Type : KF129-5.08-2P I/O Pin : Hot_bed
	U disk Voltage : 5V Current : 500mA Type : USB 2.0		USB Voltage : 5V Current : 500mA Baud Rate : 115200 Chip:PL2303TA
	TMC2209 driver 1 2/24V Current: ≤1.5A		Nozzle Thermistor Type : XH2.54-2P I/O Pin : E1_T; E2_T
	X;Y;Z; limit switch Voltage : 5V Interface Type : XH2.54-3P I/O Pin : Signal; +; -		Motor X;Y;Z;E1;E2 Voltage : 5V Interface Type : XH2.54-3P I/O Pin : 2B;2A;1A;1B
	LCD support 2.8/3.5/4.3/5.0 TFT touch screen Voltage : 3.3V 5V Type : 0.5-40P I/O Pin :		

◆ Shipping List ◆

CHITU F X:

Touch Screen:

50cm FCC cable:

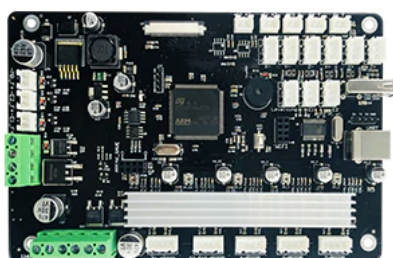


+

without
screen

+

without
cable



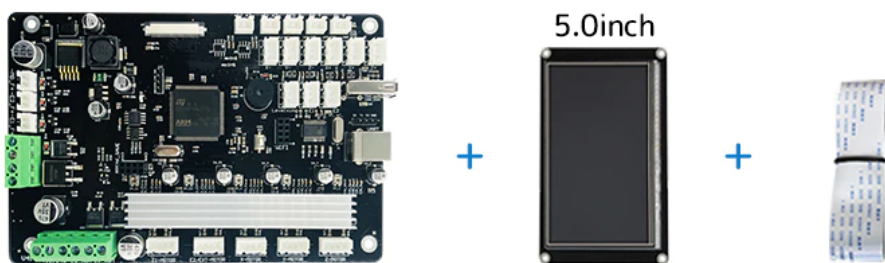
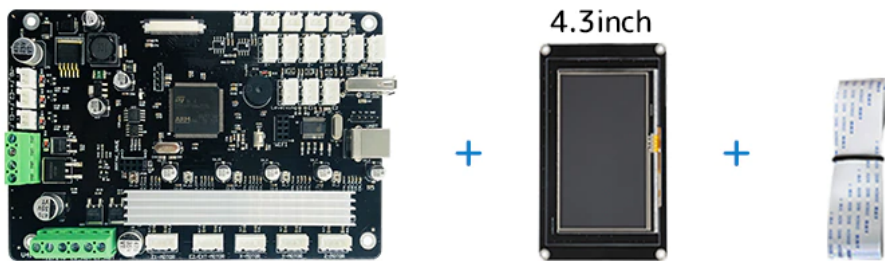
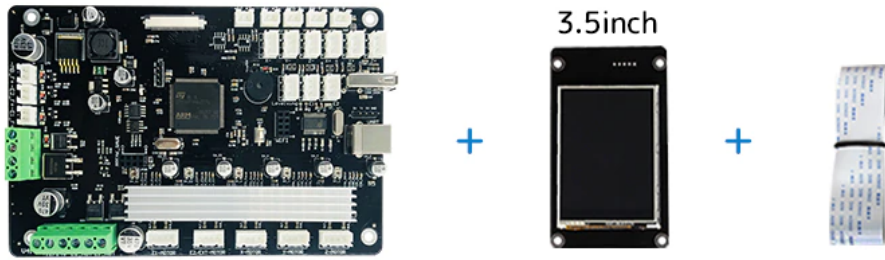
+

3.5inch

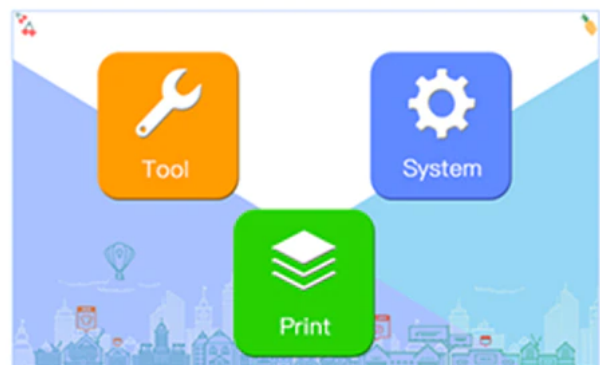
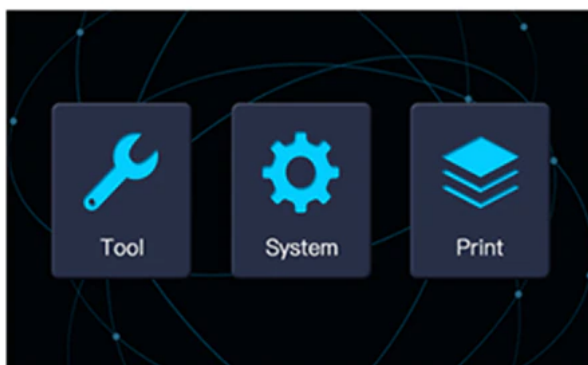


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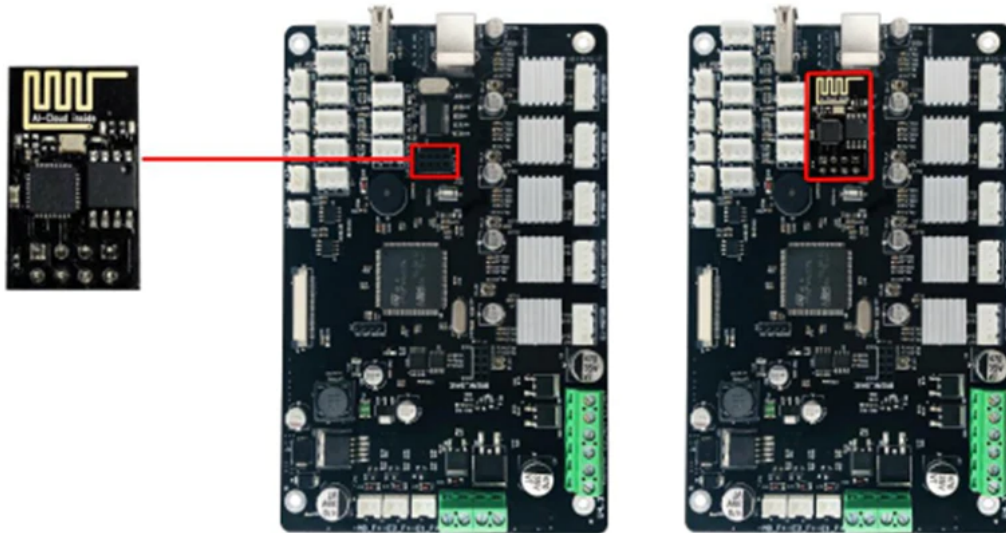
◆ UI interface display ◆



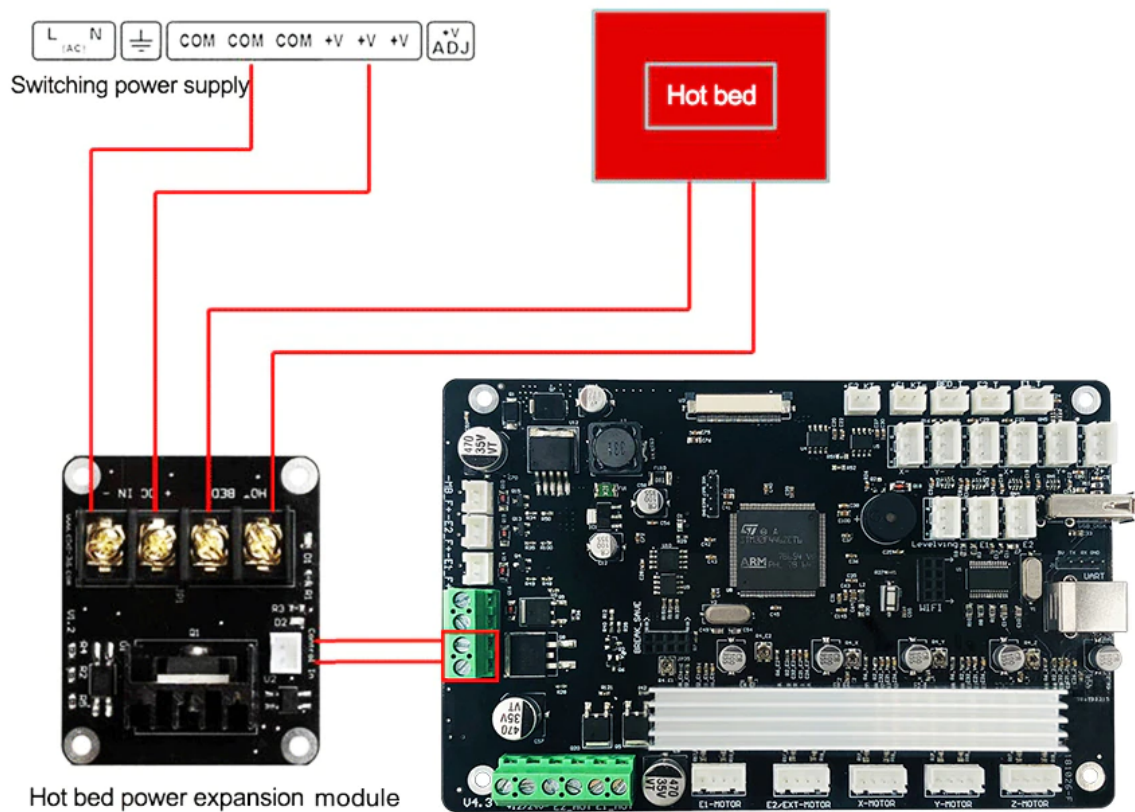
- User friendly UI

◆ Related Module Guide ◆

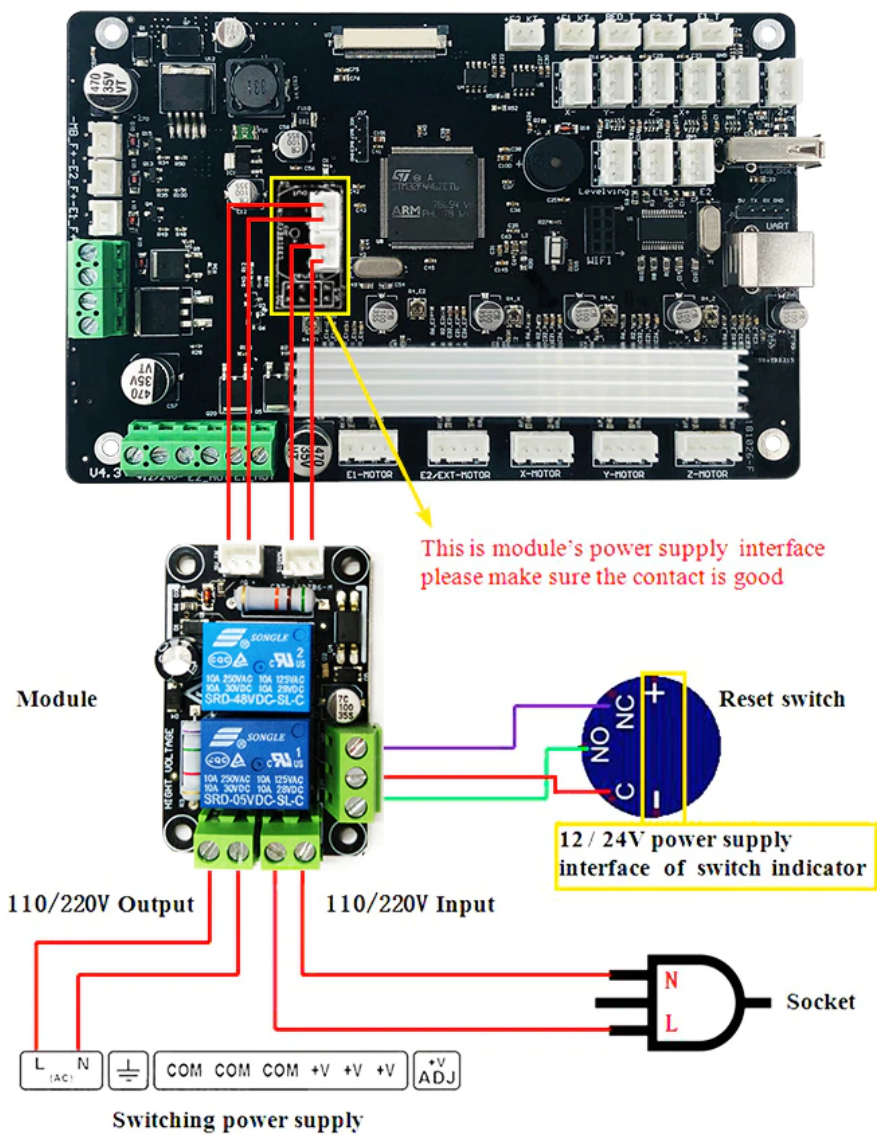
Wifi module:



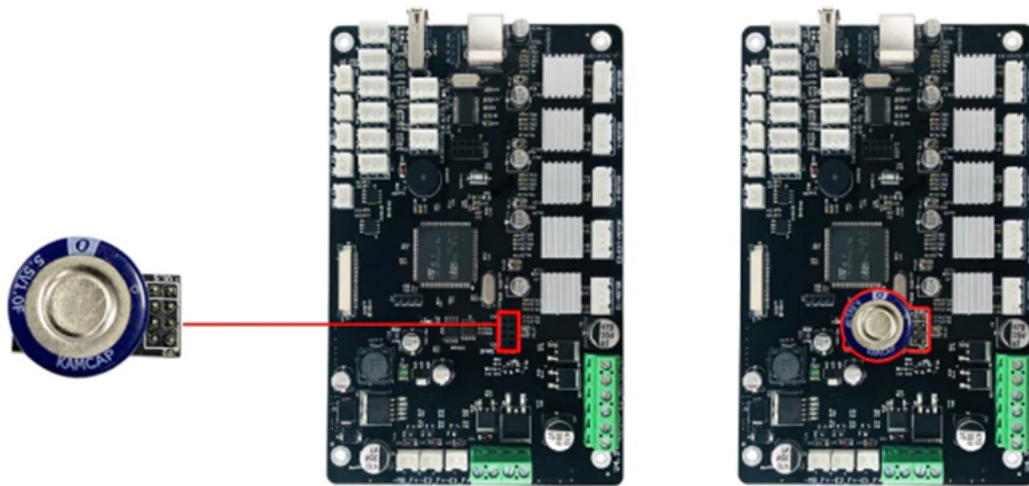
Hotbed Mosfet module:



Power-off resuming module:



Mini Power-off resuming module:



Notes for connect the touch screen:

