

Product Features



- 4.3" 480*272 TFT LED
- Onboard 400MHz high-performance 32bit industrial-grade CPU
- Original built-in PLC function (optional)
- Support downloading PLC programs through touch screen and internal communication
- The motherboard has features such as moisture resistance, dust resistance, strength, flame resistance, and explosion resistance, which enhance its tolerance to different application environments
- IP65 protection for shell panel, dustproof and waterproof shell, oil resistant and corrosion-resistant
- Support gesture up, down, left, and right sliding operations
- Comes with RS485 and supports multiple protocols such as Modbus
- TPWorks programming software is simple, easy to learn, and powerful in functionality

Product specifications

Model	TK6043BH	Display	4.3" TFT LCD
Touch panel	4-wire resistive screen	Brightness	400cd/m ²
Colour	65535 true Color	Contrast ratio	400:1
Resolution	480*272	Backlight	LED (0-100 adjustable)
COM port	Type-C, RS485	Perpetual calendar	Built-in
CPU	32bit	Flash	NOR Flash 8MB
RAM	128MB	Consumption	1.8W

General specifications

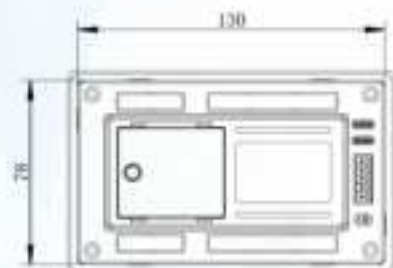
Input power supply	12-24VDC $\pm$ 10%	Storage temperature	-30~80°C
Working temperature	-30~85°C	Protection grade	IP65
Installation	Buckle installation	Weight	0.33kg
Dimension	132*80mm	External dimensions	138*86*39mm



Front view



Side view



Back view



Hole size diagram



Terminal port definition

Signal	Description
DC24V power supply	
34V	DC24V+
W	DC24V-
FG	Ground wire
Definition of RS485 communication port	
A	485+
B	485-

HMI User Manual

1. Please confirm the power supply voltage range of this product (conventional product power supply is limited to DC24V). It is recommended that the output power of the power supply be 18W or above) and correct wiring before powering on to avoid damage.
2. When installing this product, please be sure to tighten the screws or clamp the guide rail to avoid detachment.
3. Avoid wiring and plugging cable plugs when they are live, as this can easily cause electric shock or circuit damage. When the product emits an odor or abnormal sound, please immediately disconnect the power switch. When machining screw holes and wiring, do not let metal shavings and wire ends fall into the ventilation holes of the controller, as this may cause product failure and misoperation.
4. The grounding terminal FG on the machine must be correctly grounded to improve anti-interference ability.
5. Please do not disassemble the product or modify the wiring at will. Otherwise, it may cause malfunction, misoperation, losses, and fires.
6. When installing and disassembling the product, please be sure to cut off all power sources, otherwise it will cause equipment malfunction and failure.

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