

The perfect link between the Internet of Things and field devices

IOT manual automatic disk - it is a machine that requires no line inspection/no downtime/no customized configuration. The modular design is plug-and-play and is a powerful tool for quickly connecting old and new equipment to the IoT. 4 effects in one, electromechanical integration/information integration/ESG/equipment health diagnosis, Complete IOT monitoring and control of all equipment in one machine



[Features]

- The industry's smallest IOT smart control box.
- Modular PCB manufacturing
- Can control up to 16 groups of loop devices.
- With power and signal lightning protection.
- Modular manufacturing, no need for customization, the product is stable and reliable.
- Solve the problem of no manual switches for IoT systems in field equipment. (If the system is damaged, it can still be started and stopped on site, avoid mutual competition between the cloud and the site)
- Easy to maintain, no need to check the wiring, fool-proof connectors, just replace the circuit board and it can be used normally.
- No need to check the installation line / no program / no downtime / no customized distribution, the inventory is shipped directly, and the installation is quick and online.
- It has the function of protecting the equipment and avoiding quick setting of reversal (forward and reverse equipment).
- Plug-in relays can be quickly replaced without stopping the machine.
- Each group of Relay has 5 groups of time period schedules and 7 groups of logic controls for setting.
- The logic can be selected from "numeric linkage", "alternative operation", "switch network control", "software interlock" and "time period control", etc.
- Equipped with 4G (optional) and wifi communication.
- Optional load current detection can be used to monitor the health status of the equipment in instant time and proactively push abnormal information.
- On-site manual start and stop/cloud start and stop, complete status control, safe control.
- Quick setting of equipment alternate operation. When there is equipment failure, the next set of equipment will be automatically replaced.
- You can directly enter the name of the control equipment (For example: water pump on the 1st floor)

[Applications] Plants, animal husbandry, breeding factories, various controls.

[Optional Code] DO Code 1 — Code 2 — Code 3 — Code 4 — Code 5

| Code 1 | Control points | Code 2 | AI module <small>(0~10V or 4~20mA)</small> | Code 3 | DIO module | Code 4 | Cabinet material | Code 5 | 4G transmission |
|--------|-----------------------------------|--------|---|--------|---------------------------|--------|--------------------------|--------|--|
| 4 | 4 groups of Relay control points | N | None AI module | N | None DIO module | PC | IP68 PC waterproof box | N | None |
| 8 | 8 groups of Relay control points | 1 | AI modules*1 8 points | 1 | DIO module*1 16 points | Z | Galvanized steel painted | 4G | 4G (Including power outage notification function) |
| 16 | 16 groups of Relay control points | 2 | AI modules*2 16 points | 2 | DIO module*2 32 points | S | 304 stainless steel | | |

※AI modules and DIO modules are only available with galvanized steel paint and stainless steel boxes.

[Specifications]

| | |
|-------------------------|---|
| Power supply | 110/220VAC(50/60Hz) ◆Power consumption : 100W |
| Communication interface | RS-485*1 / Modbus RTU |
| Ethernet interface | RJ-45 Ethernet cable with Web Service function/Modbus TCP |
| Control points | 4/8/16 groups |
| Case size | Galvanized steel painted. 304 stainless steel : Outdoor double door with window : 600*800*210mm(W×H×D) IP68 PC waterproof box : Outdoor double door with window : 300*400*180mm(W×H×D) |
| Weight | Galvanized steel painted. 304 stainless steel : 42 Kg IP68 PC waterproof box : 5 Kg |

[Control Screen]

Host screen



Cloud platform screen



[Dimensions] mm

Galvanized steel painted. 304 stainless steel



IP68 PC waterproof box

