

MODEL #

IOBOX-16



NETWORK I/O CONTROLLER **RELAY BOARD**

COMPATIBLE WITH GSD NVRS



MULTI-CHANNEL RELAY OUTPUT

Provides 16 independently controllable relay outputs with Normally Open (NO) and Normally Closed (NC) contacts for controlling doors, alarms, lighting, motors, and industrial equipment.

ADVANCED COMMUNICATION INTERFACES

Supports Ethernet (RJ45), Wi-Fi, RS-485, CAN Bus, and Wiegand 26/34 interfaces for versatile system connectivity.

HOME AUTOMATION COMPATIBILITY

Integrates with Home Assistant, OpenHAB, Domoticz, and Node-RED platforms for smart automation deployments.

ADVANCED RELAY CONTROL FUNCTIONS

Includes delay mode, jog mode, timing schedules, linkage actions, mutual exclusion control, and watchdog monitoring for reliable automation control.

INDUSTRIAL-GRADE DESIGN

Designed for continuous operation with an operating temperature range of -10°C to +85°C for industrial and security environments.

FLEXIBLE POWER INPUT

Supports 12VDC / 24VDC and 12VAC / 24VAC power input for easy integration into low-voltage automation and access control systems.

WIDE PROTOCOL SUPPORT

Compatible with TCP Server/Client, UDP, HTTP GET CGI, Modbus RTU/TCP/ASCII/UDP, MQTT, and CoAP protocols for industrial and IoT integration.

DIGITAL INPUT / OUTPUT EXPANSION

Features digital inputs and outputs for connecting sensors, buttons, alarms, external triggers, and automation logic.

SMART NETWORK MONITORING

Built-in IP watchdog automatically monitors connected devices and can reboot systems when communication failures are detected.

COMPACT PANEL / DIN-RAIL INSTALLATION

Optimized for cabinet, rack, and DIN-rail installations commonly used in industrial automation and security systems.





SPECIFICATIONS

Parameter	Model: DT-R016 Size: 250*107 mm Voltage: 12VDC/24VDC/12VAC/24VAC Current: 2A@12VDC Power: 9W Switch Type: NO/NC Input/Output: Digital Input,DI,Digital Output(DO, Wiegand Input Working Temperature: -10°C~85°C
Communication Interface	RJ45/WIFI/RS485/CAN BUS/Wiegand26/34
Protocol	TCP server/client, UDP, HTTP GET CGI, Modbus-RTU/ASCII/TCP/UDP, Modbus-RTU, Over TCP/UDP, Modbus-ASCII Over TCP/UDP, MQTT, CoAP, WIFI ,CAN
Home Automation System	Domoticz Home assistant OpenHAB Red-Node
Functions	IP Watchdog (monitor other network device,it will can re-initialize ports with connected devices once the device offline) transparent transmission: RS485/CANBUS transparent transmission to Ethernet/WiFi Jogging: control the relay board, it will recover the status within 1s Delay: control the relay board, it will recover the status during 1s or more Timing: set as month/week/day/hour/minute/second as a circle Switch Mutually Exclusive (Relay A and B is mutually exclusive, A is ON then B will be OFF automatically to protect the Motor) Mutually Control (Input 1 of device A control output 1 of device B)



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