UNIVERSAL CONTROL SYSTEM

The Integrated Controller is designed to be utilized in the sectors of commanding center, automated office system, multi-media room and smart home. With a programmable interactive user interface over configuration protocols, the integrated system provides intelligent networking service, ideal for the establishment of modern commanding and control center. The Controller features 8 two-way serial ports, 8 IR outputs, 8 Relay ports, 8 digital I/O ports and 1 Gigabit Ethernet port, suitable for large-scale application systems to control multiply devices.

The Controller is used in a diverse range of installations and applications across industries including emergency alarming centers, C4ISR solutions, governmental administration centers, smart buildings, multi-media conference rooms, multi-functional halls, training centers, showroom, broadcasting studios, and industrial automation.

Feature Highlights

- 8 two-way serial ports to connect matrixes, projectors or other A/V devices
- 8 IR outputs/one-way serial ports to connect DVD, TV sets, or other home appliances
- 8 relay ports to control lights, doors or curtains
- 8 digital inputs to receive sensor signals
- Capable of connecting with Ethernet-control devices for Ethernet monitoring and control
- IR learning
- Provide a superb-performance Web server, supporting on-line firmware upgrade
- Compliant with standard network communication protocols
- Password protection against unauthorized accesses
- Built-in sync clocks
- Standard 1U rack mounting
- 220V AC power supply
- Supports factory reset

TECHNICAL

CPU	ARM Cortex-A53 1.8GHz
Operation System	Android 9
RAM	2GB DDR4 RAM
Flash Memory	8GB EMMC Flash
LEDs	1 × IR Learning LED 1 × Power LED 1 × LAN LED 1 × Status LED 8 × TX LEDs 8 × RX LEDs 8 × IR/Serial LEDs 8 × Relay LEDs 8 × I/O LEDs

MECHANICAL

Housing	Metal enclosure with aluminium alloy front panel
Color	Black
Dimension	440mm (W) × 200mm (D) × 44mm (H)
Weight	2.1kg
Installation	Standard 19-inch cabinet (with mounting ears) or flat installation
Power Supply	AC110~220V 50/60Hz
Power Consumption	55W (48W for external power supplies connected via the H-NET port.)
Operation Temperature	0°C ~ 40°C / 32°F ~ 104°F
Relative Humidity	10~90% RH (non-condensing)

CONNECTIONS

COM1/2/3/4	4 × 9-pin Phoenix Connectors, for two-way RS-232/422/485 serial data communication
COM5/6/7/8	4 × 3-pin Phoenix Connectors, for RS-232 serial data communication
IR-SERIAL OUTPUT	2 × 8-pin Phoenix Connectors, for IR transmitting or one-way RS-232 serial data communication
RELAY OUTPUT	2 × 8-pin Phoenix Connectors, low-voltage relays, isolated, normally open, switching up to 30VDC, 2A / 125VAC, 1A
DIGITAL I/O	2 × 5-pin Phoenix Connectors, for digital signal inputting
LAN	A standard 10M/100M/1000M Ethernet RJ45 interface
USB	1 × USB TYPE A (function reserved)
COMPUTER	1 × USB TYPE B
H-NET	1 × 4-pin Phoenix Connectors, private bus interface (function reserved)
RESET	1 × RESET, for restoring factory default
IR	1 × IR learning Window

Classic Application Example