



Feature:

1. Supports both local and cloud-based online programming without software installation; direct access via Chrome browser using the gateway IP address or cloud platform.
2. Enables remote online debugging, diagnosis, and programming, greatly reducing travel and labor costs; optional professional remote programming available.
3. AI neural network graph-based control algorithm supports the design of control flowcharts of any complexity, enabling free design, autonomous logic, and closed-loop control.
4. Neural network-style control mode provides a global view of system status; supports device encapsulation to effectively monitor real-time operating conditions.
5. Control modules can be grouped into macros for inheritance and sharing; users can build custom functional modules programmed in JavaScript.
6. Supports resource sharing on the cloud platform, including user-built modules, macro groups, and graphical component sets, forming a shared community.
7. Provides three independent user control interfaces, supporting multi-user, cross-platform, and distributed control—ideal for cluster control scenarios.
8. Supports multiple network control protocols including TCP, UDP, Telnet, HTTPS, IPv4, IPv6 and allows integration of other common or proprietary protocols.
9. Compatible with any Linux+ platform, allowing flexible migration and integration with third-party products to meet diverse application needs.
10. Built on the principle of reliability, suitable for mission-critical environments such as combat command centers, government conference clusters, and special-purpose vehicles.

► Specification:

Item	Specification
CPU (Main)	Quad-core Cortex-A55 @ up to 2.0 GHz
Operating System	Linux Kernel 4.1.15
Memory	LPDDR 2GB
Flash	4096MB eMMC
Relay	8 × isolated low-voltage relays (NO contacts) 30VDC/AC 1A
I/O	8 × digital I/O inputs
Infrared/Serial	8 × infrared or unidirectional RS-232 serial ports
COM (A, B, C, D)	4 × DB9 bidirectional RS-232 serial ports
COM (E, F, G, H)	4 × 7-pin bidirectional RS-232/422/485 serial ports
LAN	1 × RJ45 10/100Mbps Ethernet port
USB	1 × USB port
Reset (RST)	1 × system reset button
LED	3 × system status indicator LEDs
RES	1 × reserved system debugging interface
Power Supply	24VDC 1A
Mounting	Standard 19-inch rack or flat installation
Operating Temperature	5°C to 45°C
Operating Humidity	10% to 90% RH
Dimensions (H×W×D)	45mm × 430mm × 192mm (excluding feet, rack ears, and connectors)
Weight	Approx. 3.2kg (excluding packaging & accessories)