



MolSmart

built for integrators

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MolSmart

SMART CONTROL. **BUILT FOR INTEGRATION.**

MOLSMART develops professional control solutions for residential and commercial automation, combining reliable hardware, flexible connectivity, and seamless integration with leading automation platforms.

Designed and manufactured in Brazil, our solutions deliver precise control, high I/O density, and streamlined installation for projects of different scales.

RELAY BOARD

2-CHANNEL

Professional-grade Ethernet and WiFi relay module engineered for modern home and building automation projects. Designed for DIN rail installation, it delivers 4 independent relay outputs – each rated at 10A – and 4 corresponding digital inputs, enabling full bidirectional control and real-time status feedback from a single compact module.



PRODUCT SPECS

Output Channels	2 relay outputs
Input Channels	2 digital inputs
Current Rating	10A per channel
Power Supply	12VDC, 2A
Power Consumption	3W
Connectivity	Ethernet RJ45 + built-in WiFi

Protocols	TCP/IP, HTTP REST API, MQTT
Supported Load Types	Incandescent, halogen, electronic low-voltage, transformers (ELV), magnetic low-voltage, transformers (MLV), fluorescents, compact fluorescents, LEDs, motors
Mounting	DIN Rail 35mm
Dimensions (W x H x D)	3.82" x 3.50" x 1.18" (9.7 x 9.4 x 3 cm)
Weight	0.66 lb (0.30 kg)



Easy Web Setup
CONFIGURE VIA BROWSER, NO APP REQUIRED



Made in
BRAZIL



Warranty
2 YEARS



Compatible Platforms

Auto-discovery via SSDP/mDNS

Control4, Savant, Crestron,
Crestron Home, RTI, Nice,
Hubitat, Home Assistant

Certifications

FCC
UL
CE

RELAY BOARD

4-CHANNEL

Professional-grade Ethernet and WiFi relay module engineered for modern home and building automation projects. Designed for DIN rail installation, it delivers 4 independent relay outputs – each rated at 10A – and 4 corresponding digital inputs, enabling full bidirectional control and real-time status feedback from a single compact module.



PRODUCT SPECS

Output Channels	4 relay outputs
Input Channels	4 digital inputs
Current Rating	10A per channel
Power Supply	12VDC, 2A – dual redundant inputs
Power Monitoring	Both inputs independently monitored
Power Consumption	3W
Connectivity	Ethernet RJ45 + built-in WiFi



Easy Web Setup
CONFIGURE VIA BROWSER, NO APP REQUIRED



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BRAZIL



Warranty
2 YEARS

Protocols	TCP/IP, HTTP REST API, MQTT
Supported Load Types	Incandescent, halogen, electronic low-voltage, transformers (ELV), magnetic low-voltage, transformers (MLV), fluorescents, compact fluorescents, LEDs, motors
Mounting	DIN Rail 35mm
Dimensions (W x H x D)	3.82" × 4.02" × 1.18" (9.7 × 10.2 × 3 cm)
Weight	0.88 lb (0.40 kg)



Compatible Platforms

Auto-discovery via SSDP/mDNS
Control4, Savant, Crestron,
Crestron Home, RTI, Nice,
Hubitat, Home Assistant

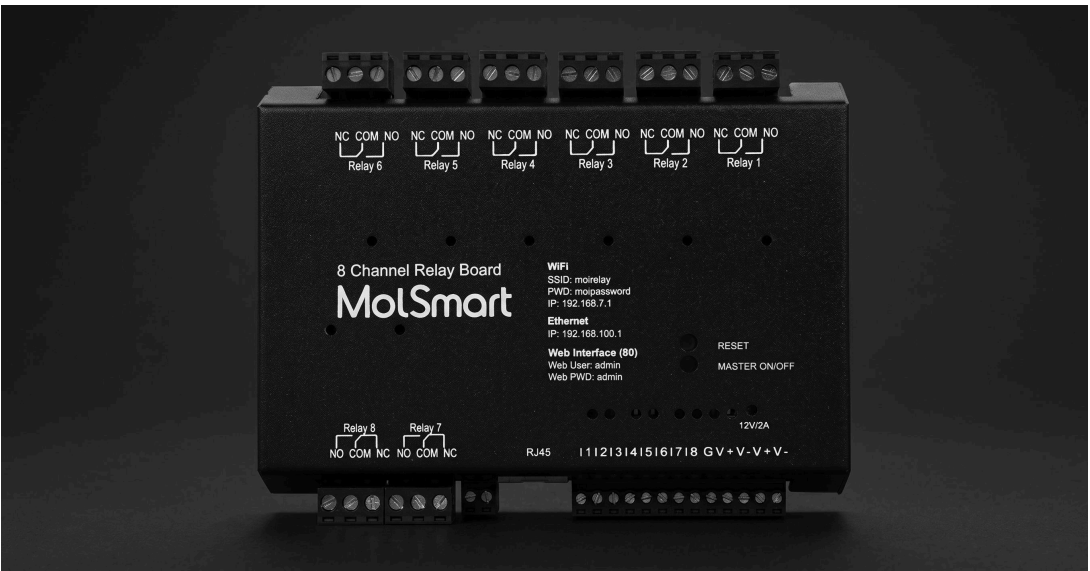
Certifications

FCC
UL
CE

RELAY BOARD

8-CHANNEL

Professional-grade Ethernet and WiFi relay module built for demanding home and building automation installations. Designed for DIN rail mounting, it features 8 independent relay outputs – each rated at 10A – along with 8 digital inputs, providing full bidirectional I/O in a single efficient module.



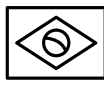
PRODUCT SPECS

Output Channels	8 relay outputs
Input Channels	8 digital inputs
Current Rating	10A per channel
Power Supply	12VDC, 2A – dual redundant inputs
Power Monitoring	Both inputs independently monitored
Power Consumption	5W
Connectivity	Ethernet RJ45 + built-in WiFi



Easy Web Setup

CONFIGURE VIA BROWSER, NO APP REQUIRED



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Warranty

2 YEARS

Protocols	TCP/IP, HTTP REST API, MQTT
Supported Load Types	Incandescent, halogen, electronic low-voltage, transformers (ELV), magnetic low-voltage, transformers (MLV), fluorescents, compact fluorescents, LEDs, motors
Mounting	DIN Rail 35mm
Dimensions (W x H x D)	3.90" × 5.16" × 1.18" (9.9 × 13.1 × 3 cm)
Weight	0.99 lb (0.45 kg)



Compatible Platforms

Auto-discovery via SSDP/mDNS

Control4, Savant, Crestron,
Crestron Home, RTI, Nice,
Hubitat, Home Assistant

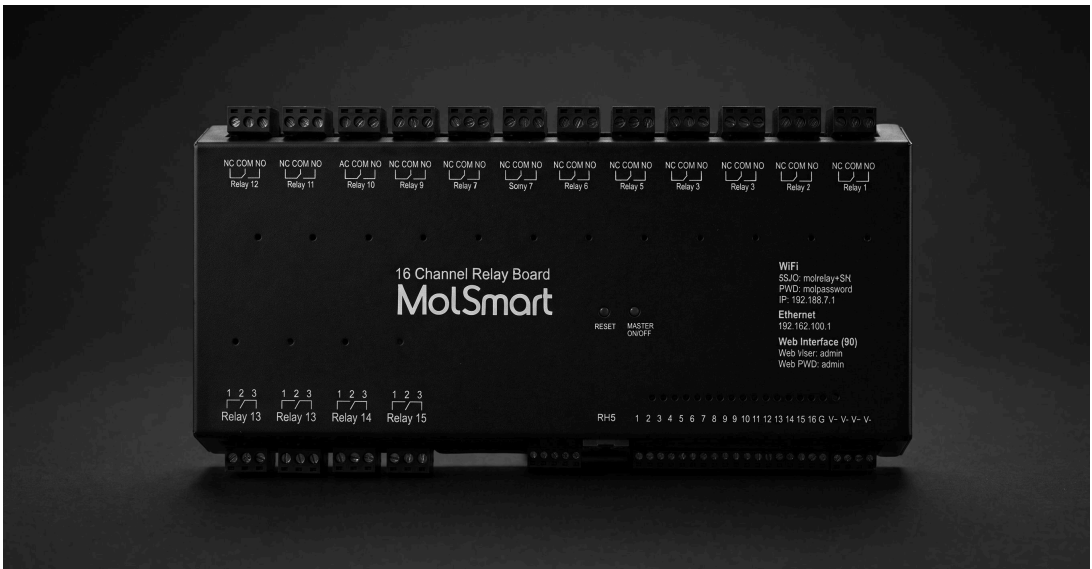
Certifications

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CE

RELAY BOARD

16-CHANNEL

Professional-grade Ethernet and WiFi relay module built for demanding home and building automation installations. Designed for DIN rail mounting, it features 16 independent relay outputs – each rated at 10A – along with 16 digital inputs, providing full bidirectional I/O in a single efficient module.



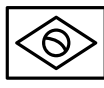
PRODUCT SPECS

Output Channels	16 relay outputs
Input Channels	16 digital inputs
Current Rating	10A per channel
Power Supply	12VDC, 2A – dual redundant inputs
Power Monitoring	Both inputs independently monitored
Power Consumption	9W
Connectivity	Ethernet RJ45 + built-in WiFi



Easy Web Setup

CONFIGURE VIA BROWSER, NO APP REQUIRED



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Warranty

2 YEARS

Protocols	TCP/IP, HTTP REST API, MQTT
Supported Load Types	Incandescent, halogen, electronic low-voltage, transformers (ELV), magnetic low-voltage, transformers (MLV), fluorescents, compact fluorescents, LEDs, motors
Mounting	DIN Rail 35mm
Dimensions (W x H x D)	4.37" × 10.04" × 1.18" (11.1 × 25.5 × 3 cm)
Weight	2.07 lb (0.94 kg)



Compatible Platforms

Auto-discovery via SSDP/mDNS

Control4, Savant, Crestron,
Crestron Home, RTI, Nice,
Hubitat, Home Assistant

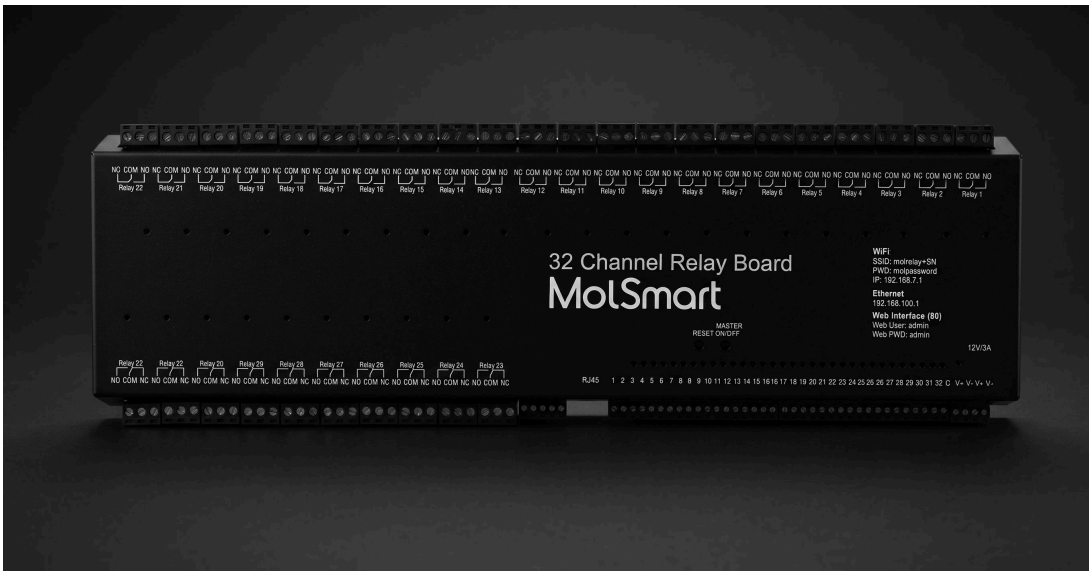
Certifications

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RELAY BOARD

32-CHANNEL

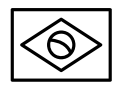
Professional-grade Ethernet and WiFi relay module built for demanding home and building automation installations. Designed for DIN rail mounting, it features 32 independent relay outputs – each rated at 10A – along with 32 digital inputs, providing full bidirectional I/O in a single efficient module.



PRODUCT SPECS

Output Channels	32 relay outputs
Input Channels	32 digital inputs
Current Rating	10A per channel
Power Supply	12VDC, 2A – dual redundant inputs
Power Monitoring	Both inputs independently monitored
Power Consumption	16W
Connectivity	Ethernet RJ45 + built-in WiFi

 Easy Web Setup
CONFIGURE VIA BROWSER, NO APP REQUIRED

 Made in **BRAZIL**  Warranty **2 YEARS**

Protocols	TCP/IP, HTTP REST API, MQTT
Supported Load Types	Incandescent, halogen, electronic low-voltage, transformers (ELV), magnetic low-voltage, transformers (MLV), fluorescents, compact fluorescents, LEDs, motors
Mounting	DIN Rail 35mm
Dimensions (W x H x D)	5.51" × 1.77" × 15.75" (14 × 4,5 × 40 cm)
Weight	3.22 lb (1.46 kg)



Compatible Platforms

Auto-discovery via SSDP/mDNS

Control4, Savant, Crestron,
Crestron Home, RTI, Nice,
Hubitat, Home Assistant

Certifications

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CE

TRIAC DIMMER

6-CHANNEL

Professional-grade Ethernet and WiFi Triac dimmer engineered for high-performance residential and commercial lighting control. Designed for DIN rail installation, it delivers 6 independent phase-forward Triac dimmer outputs – each rated at 3A – along with 6 corresponding digital inputs, enabling full bidirectional dimming control and real-time feedback from a single compact module.



PRODUCT SPECS

Output Channels	6 Triac dimmer outputs
Input Channels	6 digital inputs
Current Rating	3A per channel
Dimming Type	Phase forward (leading edge) Triac
Input Voltage	110–240VAC, 50/60Hz
Dimming Range	0–100% per channel
Connectivity	Ethernet RJ45 + built-in WiFi



Easy Web Setup
CONFIGURE VIA BROWSER, NO APP REQUIRED



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BRAZIL



Warranty
2 YEARS

Protocols	TCP/IP, HTTP REST API, MQTT
Supported Load Types	Incandescent, halogen, magnetic (iron core) low-voltage transformer (MLV)*, fluorescent, compact fluorescent (CFL), LED, motor
Mounting	DIN Rail 35mm
Dimensions (W x H x D)	3.90" × 5.16" × 1.18" (9.9 × 13.1 × 3 cm)
Weight	0.88 lb (0.40 kg)



Compatible Platforms

Auto-discovery via SDDP/mDNS
Control4, Savant, Crestron,
Crestron Home, RTI, Nice,
Hubitat, Home Assistant

Certifications

FCC
UL
CE

ANALOG DIMMER

8-CHANNEL

Professional-grade Ethernet and WiFi analog output module engineered for precise lighting level control in residential and commercial automation projects. Designed for DIN rail installation, it provides 8 independent 0–10VDC analog outputs capable of controlling any 0-10V compatible LED driver or fluorescent ballast with smooth 0–100% resolution per channel.

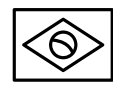
PRODUCT SPECS

Output Channels	8 analog outputs, 0–10VDC
Input Signal	0–10VDC (standard analog dimming)
Current Rating	N/A – control signal only
Power Supply	12VDC, 2A – dual redundant inputs
Dimming Range	0–100% per channel
Connectivity	Ethernet RJ45 + built-in WiFi
Power Consumption	3W



Easy Web Setup

CONFIGURE VIA BROWSER, NO APP REQUIRED



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Warranty

2 YEARS



Protocols	TCP/IP, HTTP REST API, MQTT
Supported Load Types	0-10V dimmable fluorescent ballasts and LEDs, sink or source
Mounting	DIN Rail 35mm
Dimensions (W x H x D)	3.82" × 4.13" × 1.18" (9.7 × 10.5 × 3 cm)
Weight	0.79 lb (0.35 kg)

Compatible Platforms

Auto-discovery via SDDP/mDNS

Control4, Savant, Crestron, Crestron Home, RTI, Nice, Hubitat, Home Assistant

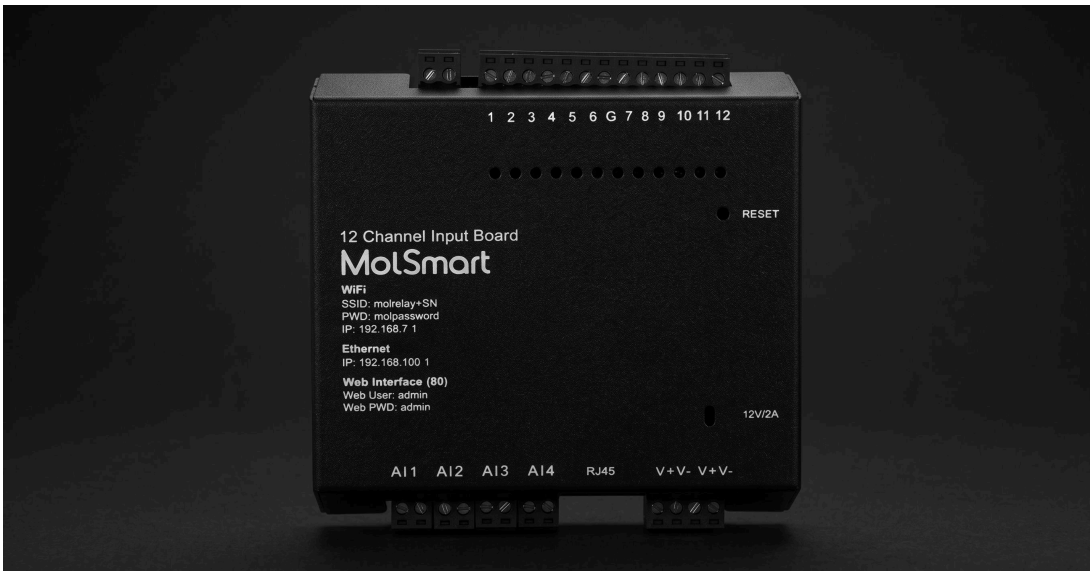
Certifications

FCC
UL
CE

INPUT MODULE

12-CHANNEL DIGITAL + 4 ANALOG

Professional-grade Ethernet and WiFi dry contact input module designed to bridge the physical world and automation systems. It monitors 12 independent dry contact inputs simultaneously – delivering real-time status feedback and event-driven triggering to any connected automation platform from a single compact DIN rail module.



PRODUCT SPECS

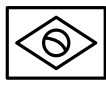
Input Channels	12 dry contact digital inputs
Input Type	Dry contact 12V
Power Supply	12VDC, 2A – dual redundant inputs
Power Monitoring	Both inputs independently monitored
Power Consumption	3W
Connectivity	Ethernet RJ45 + built-in WiFi

Other Inputs	Analog Inputs 4 independently configurable channels: 0-10V or 420mA, selected per channel
Mounting	DIN Rail 35mm
Dimensions (W x H x D)	3.82" × 3.74" × 1.18" (9.7 × 9.5 × 3 cm)
Weight	0.79 lb (0.35 kg)



Easy Web Setup

CONFIGURE VIA BROWSER, NO APP REQUIRED



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Warranty

2 YEARS

Compatible Platforms

Auto-discovery via SDDP/mDNS

Control4, Savant, Crestron,
Crestron Home, RTI, Nice,
Hubitat, Home Assistant

Certifications

FCC
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CE

GATEWAY IR + RF

TCP/IP TO IR/RF

The MolSmart MS-GW8 is an Ethernet and WiFi TCP/IP gateway for IR and RF control, combining 8 wired IR outputs — with a multi-directional IR Blaster — and RF 433.92MHz/315MHz support for Somfy RTS/Tube-compatible motors. Configuration is entirely web-based, no app required. Supports IR and RF Learning,

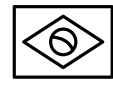


PRODUCT SPECS

Configuration	Built-in web setup — no app required, 100% configured via web	Output Channels	8x wired IR outputs (IR emitters) + 1 IR Blaster (multi-directional, shares port 1 with IR output 1)
RF Frequency	RF 433.92MHz and RF 315MHz support	Mounting	DIN Rail 35mm
Learning	Supports IR and RF Learning	Dimensions (W x H x D)	6.38" × 3.07" × 1.06" (16.2 × 7.8 × 2.7 cm)
Protocols	TCP/IP, HTTP POST (port 80),	Weight	0.77 lb (0.35 kg)
Connectivity	Ethernet RJ45 + built-in WiFi		



Easy Web Setup
CONFIGURE VIA BROWSER, NO APP REQUIRED



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Warranty
2 YEARS

Compatible Platforms
Control4, Savant, Crestron,
Crestron Home, RTI, Nice,
Hubitat, Home Assistant

Certifications
FCC - pending
UL - pending

WALL KEYPAD 12V

DRY CONTACT

Professional-grade wall keypad engineered for reliable pushbutton control in home and building automation projects. Each button delivers a clean, momentary dry-contact pulse — with an optional 12V/24V LED pulse indicator — that any connected automation board can treat as a pushbutton, toggle, or dimmer trigger. Available in 1 to 4 button configurations, in White or Black, with an ultra-slim aluminum face plate for flush or surface wall-box mounting.



PRODUCT SPECS

Power Supply	DC 12V/24V — powers the optional per-button LED pulse indicator only; the dry-contact function works normally with no power supply connected
Protocol	Dry Contact
Dimensions (W x H x D)	4.53" × 2.76" (11.5 × 7 cm)
Weight	360g (0.79 lb)

Output Channels	1 to 4 dry-contact push button buttons (per SKU) — momentary NO contact closure per button
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Mounting	Wall-mounted push button keypad panel, flush or surface wall-box mount; ultra-slim profile; aluminum face plate
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Certifications

FCC - pending



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Warranty
2 YEARS

8-PORT SWITCH

NETWORK SWITCH

The MolSmart MS-ETH08 is an 8-port 10/100 unmanaged Ethernet switch designed for DIN rail mounting inside automation panels and equipment racks. Plug-and-play with no configuration required, it's built to expand network connectivity for MolSmart Relay Boards, Dimmers, Input Modules, and Gateways sharing the same enclosure. Includes a 12VDC 2A power supply.



PRODUCT SPECS

Power Supply	DC 12V, 2A
Connectivity	8x Ethernet 10/100 ports (unmanaged)
Mounting	DIN Rail mounting (built-in clip)
Dimensions (W x H x D)	5.31" × 2.56" × 1.57" (13.5 × 6.5 × 4 cm)
Weight	400g (0.88 lb)

Certifications

FCC - pending
UL - pending



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