



EMBEDDED CONTROL ELECTRONICS

Product catalogue

Motor, LED and sensor control for bioclimatic pergolas, awnings and winter gardens: three architectures from one maker.

CND-1101	CND-1102	CND-1103	CND-1104	CND-1104-US	CND-1105	CND-1105-IO	
CLT-1101	CLT-1103	CLT-1105	CKT-1101	CKT-1102	CKT-1103	CKT-1104	CKT-1201
CKT-1202	CIF-1101	CIF-1102	CIF-1103	CRC-1101	CT-1000	CT-1001	CRF-1101
CSN-1101	CPW-1201	CAC-1101	CAC-1201	CAC-1202			

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ABOUT THIS CATALOGUE

- Request a quote for "Available" products right away; write to us for details on "Coming soon" products.
- Current prices and minimum order quantities are in the price list:
cybernexglobal.netlify.app/en/price-list

ABOUT

The team that designs, writes and builds the board.

CYBERNEX Electronics is an R&D-driven electronics company based in Silivri, Istanbul.

In pergola, winter garden and awning systems, what people notice is movement and light. We build the electronics behind both: motor control boards, LED and lighting control units, control kits, contact units, RF remotes and receivers, sensors, power and accessories.

36

own-design models

14

complementary products

3

control architectures

1

active sector

Three architectures, one maker.

01 Standalone

Each function has its own unit: motor control, LED control and sensors are installed separately and work independently of each other.

When to choose it: Projects whose requirements may change over time, systems that will grow in stages, or an existing installation that needs one more function.

02 All-in-Box

Two independent boards in one enclosure: the motor side and the lighting side stay on separate boards but are installed in the same box.

When to choose it: Projects that want motor and lighting at a single installation point while keeping the two functions electrically separate.

03 One-Board

The motor driver and the LED dimmer share a single board. Every function is designed into the same circuit.

When to choose it: Projects with a scope that is clear from the start, tight mounting space, and a priority on a compact, economical solution.

Control Boards

Main boards handling motor drive, limits and position control.

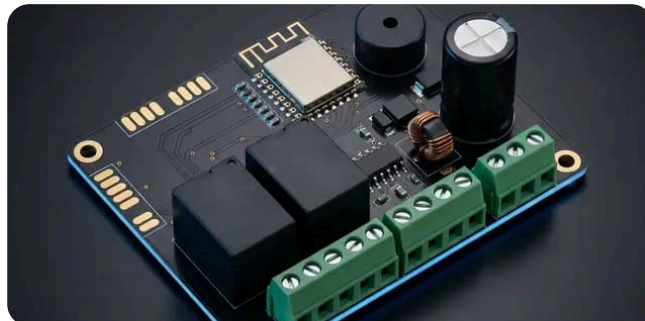


CND-1101

AVAILABLE

Single Motor Control Unit

Drive, limit and position control for single-motor...



CND-1102

AVAILABLE

Double Motor Control Unit

Board driving two motors in sync, with...



CND-1103

AVAILABLE

One or Two Linear Motor and One Tubular Motor

Hybrid control managing a linear and a tubular...



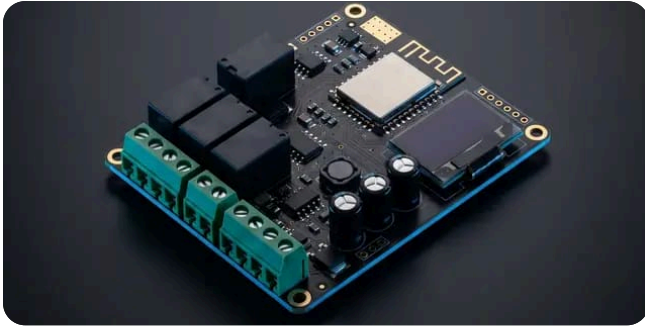
CND-1104

AVAILABLE

One or Two Tubular Motor (AEROLUX)

One or two tubular motor control for AEROLUX...

Control Boards

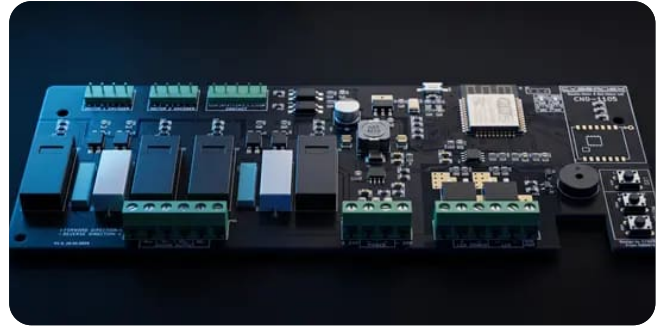


CND-1104-US

AVAILABLE

One or Two Tubular Motor (AEROLUX) — USA

The AEROLUX tubular motor control, in its versio...

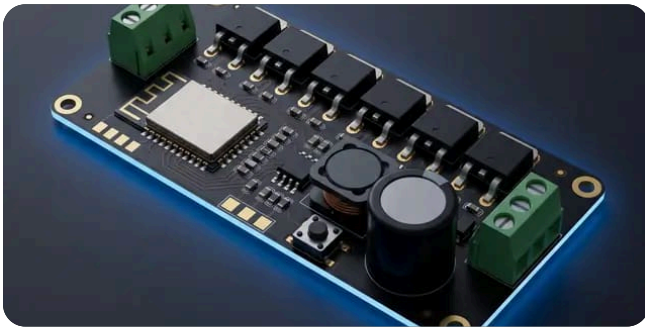


CND-1105

AVAILABLE

Double Motor + Mono Light Control Board (single PCB)

Dual motor drive and mono lighting control on a...



CND-1105-IO

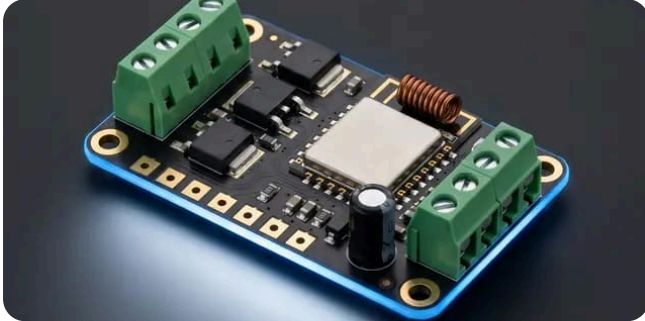
AVAILABLE

Double Motor + Mono Light Control Board (single PCB), IO version

The IO version of the same single-PCB design as...

Light Control

Dimmer and receiver units for mono and RGB lighting.

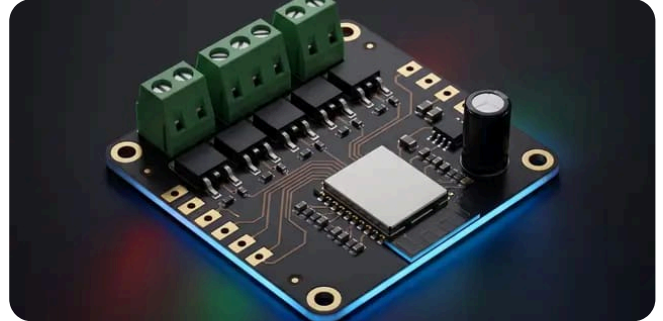


CLT-1101

AVAILABLE

Mono Dimmer LED Control Unit

Dimmer receiver unit for single-colour LED lines.

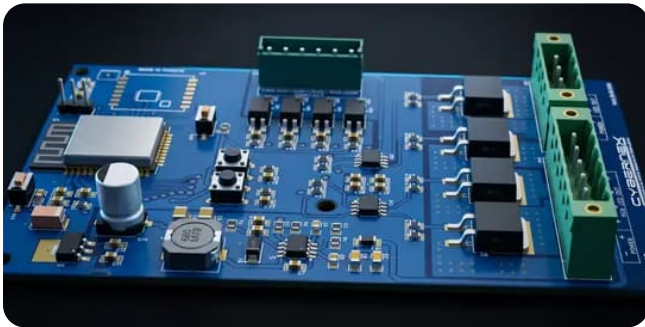


CLT-1102

COMING SOON

RGB LED Control Unit

Receiver unit with colour management for RGB...

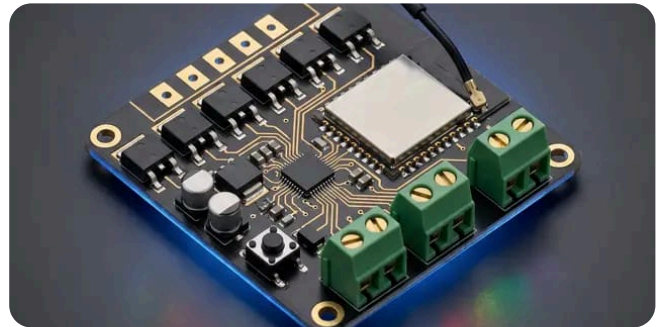


CLT-1103

AVAILABLE

Mono and RGB LED Control Unit

Receiver handling mono and RGB lines in one unit.



CLT-1105

AVAILABLE

Somfy-Compatible RGB LED Control Unit

RGB lighting control unit that works alongside...

Control Kits

Ready sets delivering board, receiver and enclosure together.



CKT-1101

AVAILABLE

Single Motor & One Colour LED Control Unit

Motor board, mono light receiver and enclosure...



CKT-1102

AVAILABLE

Double Motor & One Colour LED Control Unit

Dual motor board, mono light receiver and...



CKT-1103

AVAILABLE

Single Motor & One Colour and RGB LED Control Unit

Single motor with mono and RGB lighting control...

Control Kits



CKT-1104

AVAILABLE

Double Motor & One Colour and RGB LED Control Unit

The most complete set: dual motor with mono...



CKT-1201

AVAILABLE

IO LED Dimmer Kit

LED dimmer kit running on Somfy IO...



CKT-1202

AVAILABLE

IO LED On-Off Kit

On/off LED kit running on Somfy IO infrastructure.

Contact Units

Interface contact modules for DC, AC and signal lines.



CIF-1101

AVAILABLE

DC Contact Unit

Dry contact interface module for DC lines.



CIF-1102

AVAILABLE

AC Contact Unit

Dry contact interface module for AC lines.



CIF-1103

AVAILABLE

Signal Contact Unit

Contact interface for low-level signal lines.

Remote & RF

433 MHz handheld remotes and RF receiver modules.



CRC-1101

AVAILABLE

15-Channel 433 MHz Handheld Remote

A 433 MHz remote controlling fifteen channels...

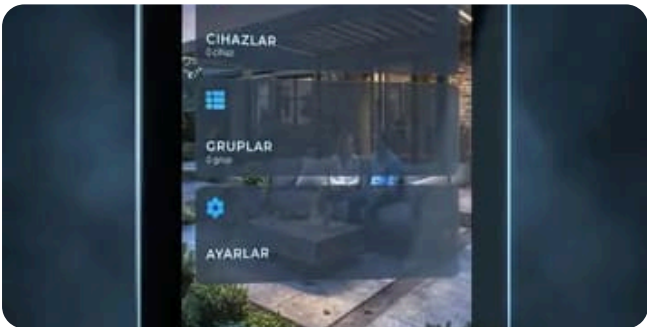


CT-1000

AVAILABLE

Rechargeable Touch Remote

Rechargeable handheld remote with a...



CT-1001

AVAILABLE

Touch Wall Panel

Wall-mounted touch panel; controls devices an...



CRF-1101

AVAILABLE

RF Receiver Module 433 MHz

Receiver module adding RF remote capability to...

Motors

Tubular motors and DC linear actuators.



CMT-1103

COMING SOON

Tubular Motor 120 Nm

Tubular motor for wide spans that demand high...



CMT-1201

COMING SOON

DC Linear Actuator 200 mm

DC linear actuator with a 200 mm stroke.



CMT-1202

COMING SOON

DC Linear Actuator 300 mm

DC linear actuator with a 300 mm stroke.

Sensors

Rain, wind and air quality sensing units.



CSN-1101

AVAILABLE

Rain Sensor

Sensor that closes the system automatically...



CSN-1102

COMING SOON

Wind Sensor

Sensor triggering a protective response based o...



CSN-1103

COMING SOON

Air Quality Sensor

Sensor monitoring indoor air quality.

Smart Home

A gateway bridging WiFi and RF, driven by a mobile app.



CGW-3101

COMING SOON

Smart Home Gateway (WiFi + RF 433, mobile app)

Gateway bridging WiFi and RF 433, operated...

Power

Power supplies and SmartGlass transformers.



CPW-1101

COMING SOON

24V Power Supply

Our own 24V power supply design for the...



CPW-1201

AVAILABLE

SmartGlass Transformer

Supply transformer for the SmartGlass line.

Accessories

Sockets, IP-rated enclosures and mounting components.



CAC-1101

AVAILABLE

AC Voltage IP68 Socket

IP68 rated AC socket for outdoor use.



CAC-1201

AVAILABLE

SmartGlass Socket

Connection socket specific to the SmartGlass...



CAC-1202

AVAILABLE

SmartGlass IP Box

IP-rated mounting box for SmartGlass...

Complementary Products

Third-party brand products we supply to complete the system; trademarks belong to their owners.

**TM-MW-101 MeanWell Transformer 24V**

MeanWell branded 24V supply transformer.

AVAILABLE**TM-ANT-101 Linear Actuator 6000N-200mm-57dB**

Linear actuator with 6000N thrust and a 200 mm stroke.

AVAILABLE**TM-ANT-102 Linear Actuator 2500N-220mm-LowNoise**

Low-noise linear actuator with 2500N thrust.

AVAILABLE**TM-LED-101 LED Strip 24V Cool White (5m)**

24V cool white LED strip, 5 metres.

AVAILABLE**TM-LED-102 LED Strip 24V Cool White (6.5m)**

24V cool white LED strip, 6.5 metres.

AVAILABLE**TM-LED-103 LED Strip 24V Cool White (8m)**

24V cool white LED strip, 8 metres.

AVAILABLE**TM-LED-201 Extension Connector for LED Strip (5m)**

Connector extending an LED strip run by 5 metres.

AVAILABLE

Complementary Products

Third-party brand products we supply to complete the system; trademarks belong to their owners.

**TM-LED-202 Extension Connector for LED Strip (8m)**

Connector extending an LED strip run by 8 metres.

AVAILABLE**TM-SOM-101 Somfy IO On-Off**

On/off receiver for Somfy IO infrastructure.

AVAILABLE**TM-SOM-102 Somfy IO White LED Receiver**

White LED receiver for Somfy IO infrastructure.

AVAILABLE**TM-SOM-103 Somfy IO RGB LED Receiver**

RGB LED receiver for Somfy IO infrastructure.

AVAILABLE**TM-SOM-104 Somfy Remote Controller**

Handheld remote for Somfy systems.

AVAILABLE**TM-SOM-105 Somfy Shutter Remote Controller**

Remote for Somfy shutter systems.

AVAILABLE**TM-SOM-106 Somfy RTS On-Off**

On/off receiver for Somfy RTS infrastructure.

AVAILABLE

Your project, our **engineering.**

01

Circuit Design & PCB

02

Embedded Firmware

03

Prototype & Sample

04

Series Production & Assembly

WHAT WE DELIVER

- ✓ Approved electronic schematic (PDF and source files)
- ✓ A tested, working prototype
- ✓ Bill of materials with supplier and alternative-part information
- ✓ PCB design files: Gerber, drill, pick-and-place and assembly drawing
- ✓ Embedded firmware: compiled binary; delivery of the source code is set in the contract
- ✓ Test procedure, validation report and technical documentation

Tell us about your project: cybernexglobal.netlify.app/en/contact



CONTACT

Let's talk about your project.

For quotes and prices: cybernexglobal.netlify.app/en/quote

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