

WiPLUX C series

Smart Consumer Unit
for Business and Enterprise

Model Overview



<p>SWITCH ON/OFF switch ON/OFF individual channel via the Web App</p> <p>SPLIT GROUP split group into many PDU</p>	<p>MERGE GROUP merge group into one PDU</p> <p>ACCESSING C SERIES accessing C series on Local Area Network, or the Internet</p>	<p>SCHEDULE CONTROL schedule control can be set in seconds</p> <p>REAL-TIME CONTROL real-time control each channel of the L series</p>	<p>AUTOMATIC RECLOSER automatic recloser electrical protection</p> <p>ON Delay ON delay of each channel</p>	<p>PING IP ping IP to the load device for ON/OFF/Restart automatically</p> <p>MONITORING monitoring current, voltage, power, energy consumption, and environment status</p>	<p>LOG FILES log files playback for history and past event investigation</p> <p>FIRMWARE firmware online update</p>
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The WiPLUX C series is a Smart Consumer Unit for businesses and enterprises to control and optimize the energy costs of the room. Management can be done from anywhere via WiPLUX Cloud, Local Area Network working via controller (with DDNS), or direct control with IP address. All through Web Applications with any web browser. In addition, it supports working with applications on Android and iOS via smartphones and tablets.







The flexibility that the user can change the current limit of each sub-circuit breaker as appropriate and with various brands installed on the DIN rail.

There are 4 modes to choose from: SELF, MASTER, INTERLOCK, and GROUPING. Multi-step automation can help troubleshoot IT equipment that has an IP that hangs such as scheduling, ping monitoring behavior settings, and other operations settings is also a power-ON delay to prevent instability when multiple devices are started. This product is suitable for professional electrical control such as apartments, hotels, base stations, CCTV, various equipment, or network equipment.

Hardware features

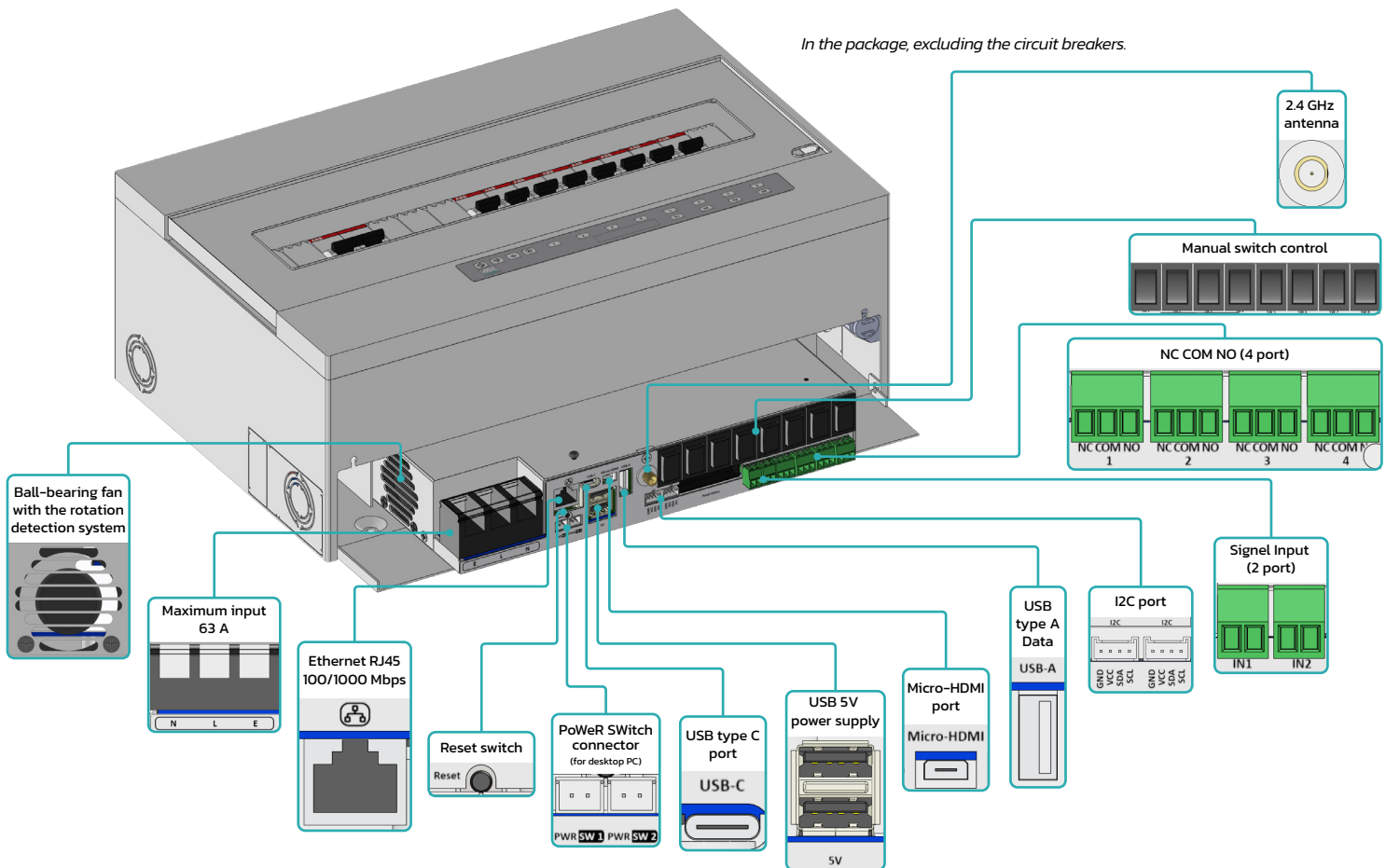
The WiPLUX C Series is a single phase high current up to 63 A, Have spare extra socket support for Surge protector, RCBO, Smart Breaker, common circuit breaker. Extra function for trigger signal and manual ON/OFF directed. The System board inside has arranged the high-quality relays to minimize the magnetic field interference in the system itself and also to withstand short circuits. All device statuses are displayed on the front panel LEDs and moreover, all are displayed on the web app which users can monitor in real-time. Other features are

1. High-quality Thermally Metal Oxide Varistor (TMOV) for Surge Protected internal circuit (Transient only) with the real-time state.
2. Have two **PoWeR SWitch** ports to manage your on-site computers.
3. Use Rotation Detection Fan to monitor status.
4. There are communication channels for **Ethernet** and **Wireless Network**.
5. All LED status and symbol the front panel are shown in Wi-Dashboard (in Real-time).

-  Power status: When power ON, the LED will bright.
-  Output status: When the channel activates (ON), the LED is bright.
-  System status: When the system is ready, the LED will brighten and there will be three consecutive beeps. Ready to display on the Wi-Dashboard page.
-  WiFi status: When WiFi is connected, the LED will bright and show on the Wi-Dashboard page.
-  Earth Status: When the wire of the earth system connected, the LED is bright and show on the Wi-Dashboard page.
-  Surge status: Normally, the LED will not bright but when there is a surge, the LED will red blinks and show on the Wi-Dashboard page.

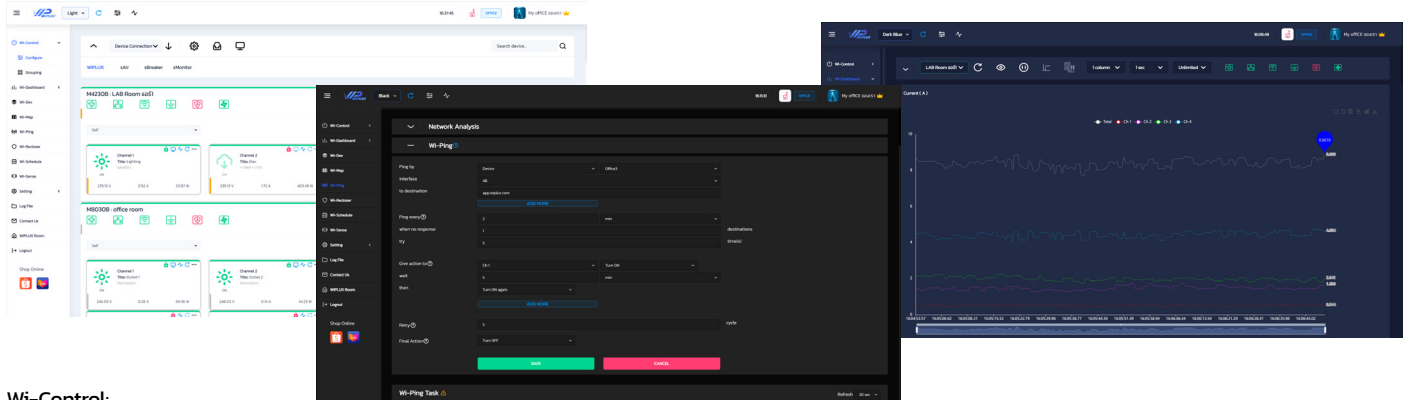
Note: When the LED red blinks, the WiPLUX device needs to change some varistors inside.

6. The total current up to 63 A and each channel can supply up to 30 A.
7. The minimum device temp and CPU measured by WiPLUX were -7 °C and -4.24 °C, respectively.



Software features

Take control of C series via app.wiplux.com or IP Address on Local Area Network. Able to log in a user to more than one device at the same time with color themes for users to change on the web app of WiPLUX Cloud. Which is a flexible software that can be used on smartphones, tablets, laptops, and computers. Along with the monitoring system of the current, voltage, and power with resolution 2 decimal places. There is also a control on the Local Area Network to select convenient and suitable use. Moreover, log files are free for 1 month to view past events. Which you can purchase the additional storage space for appropriate use.



Wi-Control:

- **Configure:** About all manual controls SELF, INTERLOCK, and MASTER modes are available to manage ON/OFF/Restart individual power outlets via a web application.
- **GROUPING:** It is the rebuilding of PDUs by arranging the relay in the software. The Split Group is several relays in one PDU that becomes more than one PDU, and on the other hand, the Merge Group is several relays from two or more PDUs that become one PDU.

Wi-Dashboard:

- **Realtime:** Is the monitored system in real-time to the WiPLUX Client environment working state via the web app such as temperature (°C), relative humidity, current (A), voltage (V), power (W), network connection Ethernet/WiFi, the ground connection, chassis fan, etc.
- **Consumption:** View the amount of electrical energy that can be calculated as a unit and display usage information of each device and expense summary.
- **Usage history:** You can select to view average, minimum, maximum, and device usage information.

Wi-Dev: Built for developers with devices that support API (get & post) and can create a particular rhythm ON/OFF/Restart to WiPLUX device.

Wi-Map: Pin the WiPLUX device or co-production device that has been successfully installed on Google Maps. To help memorize the location in the event that multiple devices need to be installed in different areas or locations.

Wi-Ping: Uses for creates automated conditions ON/OFF/Restart each channel of M, L, and C series WiPLUX devices to solve the problem of IT hang or no response. Its behavior uses the ping command in the ICMP protocol to detect load devices for power ON/OFF/Restart or other actions.

Wi-Recloser: Adjustable overload/underload protection for current, voltage, and power, plus auto-reactivation. The behavior of each channel can be used to set off conditions or other actions as needed. (Only models whose letters end in B)

Wi-Schedule: It is a timetable ON/OFF schedule of each channel or every power supply channel in seconds resolution. which can be planned in advance on a calendar year basis and can schedule iterations in a weekly format

Wi-Sense: Users can be monitoring internal WiPLUX sensors or some external sensors installed for additional use. and can be configured to run ON/OFF with that WiPLUX device.

Setting:

- **Device:** Used to add/remove WiPLUX devices and sensors to the system and look for many details of the device system. Moreover, you can calibrate voltage, channel ON-Delay time at the start device, DDNS (Dynamic Domain Name System) with the port number configuration when matching in the router for outside remoting to inside device network, and date time setting in RTC (Real Time Clock) for memorizing when shut down.
- **Ethernet:** Setting IP and DNS to the internet.
- **WiFi:** Scan and connect to the WiFi network.
- **Calibration:** setting ON-Delay, Voltage Calibration, etc.
 - ON-Delay is an adjustable switch delay for ON of each load channel after electricity comes back or starts the WiPLUX device, which prevents instability during multiple devices starting up.
 - Voltage Calibration adjusts the values when the voltage displayed on the real-time page is incorrect.
- **Firmware:** For updating firmware software
- **Permission:** Supports assigning access rights to users at each level.

Log file: The user can go back to history and past event investigation in some intervals.

Hardware Specifications

Hardware	SKU	C080063B04E-XA1	C080063B00X-XA1
Nominal input voltage (V)		100-240	100-240
Maximum total input current (A)		63	63
Maximum output current per channel (A)		30	30
Maximum power (W)		14,490	14,490
Main circuit breaker (max A)		63	63
Miniature circuit breaker (max A)		32	32
Surge protection (for internal circuit)		✓	✓
Quantity	relay switch (Max current)	8 (36 A)	8 (36 A)
	terminal block (Max current)	8 (63 A)	8 (63 A)
	relay NC NO (Max current)	4 (7 A)	-
	total power meter	✓	✓
	channel power meter	8	8
	Rack mounting bracket	-	-
	DIN rail mounting bracket	-	-
Voltage sensor		✓	✓
Communication module		✓	-
LED status		✓	✓
Control ON/OFF/Restart via Ethernet		✓	✓
Control ON/OFF/Restart via WiFi		✓	✓
Edge dimension (H x W x D mm) approx.		230x350x132	230x350x132
Ambient operating temperature (°C)		-10 to 60	-10 to 60
Ambient operating relative humidity (%)		5 to 85	5 to 85

Software Specification

Software	SKU	C080063B04E-XA1	C080063B00X-XA1
Wi-Control (Internet or Intranet)		✓	✓
Wi-Dashboard		✓	✓
Wi-Dev		✓	✓
Wi-Map		✓	✓
Wi-Ping		✓	✓
Wi-Recloser		✓	✓
Wi-Schedule		✓	✓
Wi-Sense		✓	✓
Log Flie		✓	✓

Package Contents

Item	C8 series
C series smart Consumer Unit	1
Rack mounting bracket	-
DIN rail mounting bracket (35 mm)	-
M5 x 10 mm flat head Screws	4
Silicone rubber feet	-
PWR SW cable	1
Antenna WiFi 2.4 GHz	1
Quick start guide	1
Spare fuse	-