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LANCOM WLC-4025 WLAN Controller With Central WLAN Management User Guide

LANCOM WLC-4025 WLAN Controller With Central WLAN Management

Contents

Product Description

1. **LCD display (rotating in two lines)**
   - Device name
   - Firmware version
   - Device temperature
   - Date and time
   - CPU load
   - Memory usage
   - Number of VPN tunnels

- Data transfer in reception direction
- Data transfer in transmission direction
- Number of authenticated access points
- Number of access points expected (actively configured)
- Number of new discovered and not yet authenticated access points
- Number of expected access points not present
- SNTP status (when WLAN LED constantly red)
- SCEP status (when WLAN LED constantly red)

2. **Configuration interface**

   Use the included serial configuration cable to connect the serial interface (COM) to the serial interface of the device you want to use for configuring / monitoring.

3. **Ethernet interface**

   Use the cable with the kiwi-colored connectors to connect one of the interfaces ETH1 to ETH4 to your PC or a LAN switch.

4. **USB interface**

   You can use the USB interface to connect a compatible USB cellular modem, a USB printer or a USB flash drive for device configuration.
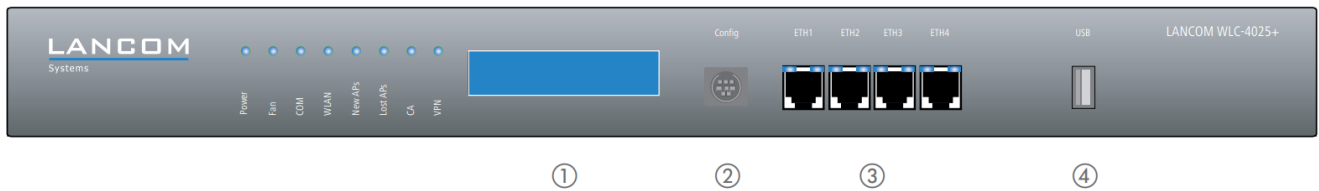
5. **Power switch and power connector (device back side)**

   Supply power to the device via the supplied power cable.

6. Use the power switch to turn the device on or off.

AC Line: 100-240 V 50-60 Hz

①   ②   ③   ④

🛈 **Please observe the following when setting up the device**

- The mains plug of the device must be freely accessible.
- For devices to be operated on the desktop, please attach the adhesive rubber footpads
- Do not rest any objects on top of the device
- Ensure that the ventilation slots at the back remain unobstructed
- Mount the device into a 19" unit in a server cabinet using the provided screws and mounting bracket

🛈 Unplug the power plug from the power socket to ensure that the device is completely separated from the power supply!

MOUNTING AND CONNECTING THE DEVICE

1. **Power**

   Off: Device switched off

   Green, permanently: Device operational

   Green / orange, blinking: Configuration password not set. Without a password the device's configuration data is unprotected.

   Red, blinking: Charge or time limit reached

2. **Fan**

   Green, permanently: CPU temperature OK

   Orange, permanently: CPU temperature > 55°

   Red, blinking: Hardware failure of the fan or CPU temperature > 60°; additional acoustic signal

3. **COM**

   Off: No session logged on for the serial configuration interface

   Green, permanently: Serial configuration session logged on

   Orange, flickering: Data transmission during the configuration session

4. **WLAN**

   Red, permanently: The LANCOM WLAN controller is not yet operational; one of the following elements is missing:

   - Root certificate
   - Device certificate
   - Current time
   - Entropy for the DTLS encryption

     Green, permanently: At least one active access point connected and authenticated.

     Red, blinking: The device is operational but not connected to an active access point.

5. **New APs**

Orange, blinking: At least one new access point for authentication has been found.

6. **Lost APs**

   Red, blinking: At least one expected access point has not been found.

7. **CA**

   Off: Internal CA switched off

   Green, permanently: Internal CA switched on and ready

   Red, permanently: Internal CA switched on; an error has occurred

   Orange, permanently: CA switched on and ready; request pending

8. **VPN**

   Off: No VPN connection active

   Green, permanently: VPN connection active

   Green, blinking: Establishing VPN connection

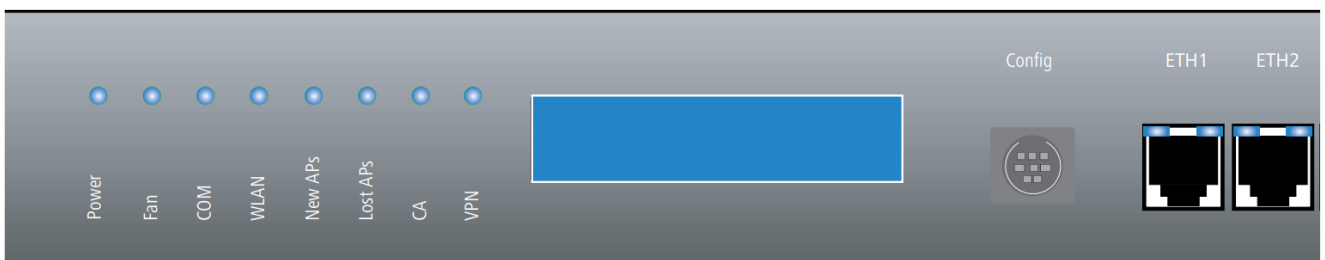9. **ETH (one green and one yellow LED each)**

   Green off: No networking device attached

   Green, permanently: Connection to network device operational, no data traffic

   Green, flickering: Data transmission

   Yellow off: 1000 Mbps

   Yellow, permanently: 10 / 100 Mbps

Hardware	
Power supply	Internal power supply unit (110-230 V, 50-60 Hz)
Power consumption	30 W
Environment	Temperature range 5 – 40 °C; humidity 0-95 %; non condensing
Housing	Robust metal housing, 19″ 1U with mounting brackets, network connectors on the front
Number of fans	1
Interfaces	
ETH	4 individual ports for 10 / 100 / 1000-Mbps Ethernet, Ethernet ports can be electrically disabled in the LCOS configuration. Each Ethernet port can be freely configured (LAN, WAN, monitor port, off). LAN ports operate in bridge mode or isolated. Additionally, external DSL modems or termination routers can be operated at the WAN port together with policy-based routing.
USB	USB 2.0 Hi-Speed host port for connecting USB printers (USB print server), serial devices (COM-port servers), USB data media (FAT file system), or supported mobile radio USB modems; bi-directional data transfer available.
Serial Interface	Serial configuration interface / COM port (8-pin Mini DIN): 9,600 – 115,000 baud, suitable for optional connection of analog / GPRS modems. Supports the internal COM-port server.
WAN protocols	
Ethernet	PPPoE, Multi-PPPoE, ML-PPP, PPTP (PAC or PNS) and plain Ethernet (with or without DHCP), RIP-1, RIP-2, VLAN, IP
Declaration of conformity	
Hereby, LANCOM Systems declares that this device is in compliance with Directives 2014/30/EU and 2014/35/EU. The full text of the EU declaration of conformity is available at the following internet address: **www.lancom-systems.com/ce/**	
Package content	
Documentation	Quick Reference Guide (DE/EN), Installation Guide (DE/EN), FCC Documentation
Cables	1 Ethernet cable 3 m (kiwi-colored connectors), 1 serial configuration cable 1.5 m, 1 IEC power cord
Mounting brackets	Two 19" brackets for rack mounting

Customer Support

errors and/or omissions. 111703/0118

LANCOM

Systems

Documents / Resources

[thumbnail]	**LANCOM WLC-4025 WLAN Controller With Central WLAN Management** [pdf] User Guide WLC-4025 WLAN Controller With Central WLAN Management, WLC-4025, WLAN Controller With Central WLAN Management, Controller With Central WLAN Management, Central WLAN Management, WLAN Management

References

- **L DoC - LANCOM Systems GmbH**
- **Ⓜ Manual-Hub.com - Free PDF manuals!**
- **User Manual**