LANCOM WLC-4025+
LANCOM WLC-4100

Quick Reference Guide

LANCOM Systems

Please observe the following when setting up the device

- Mount the device into a 19" unit in a server cabinet.
- 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

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LCD display (in two lines, rotating)

- 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)

① **Serial configuration cable**
You can connect the device to a PC with a configuration cable.

② **LAN**
Use the cable with the kiwi-colored connectors to connect one of the interfaces ETH1 to ETH4 to your PC or a LAN switch.

③ **Optional: USB**
You can use the USB interface to connect a compatible USB cellular modem, a USB printer or a USB flash drive for device configuration.

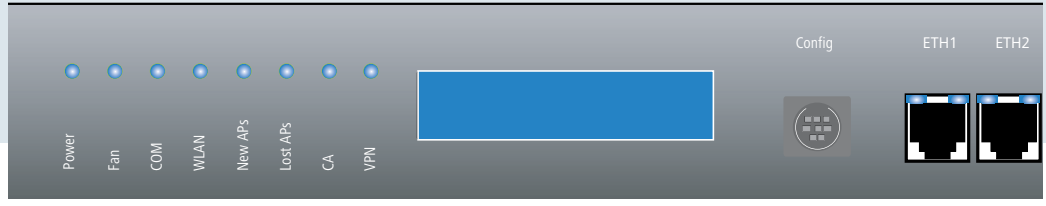④ **On/off switch**
Use this switch to turn the device on or off.

⑤ **Power connector**
Supply power to the device.
Please use the IEC power cable supplied.

⚠ 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 on (permanently)	Device operational
Blinking green/orange	Configuration password not set. Without a password the configuration data in the device is unprotected.
Blinking red	Charge or time limit reached

② Fan

Green on (permanently)	CPU temperature OK
Orange on (permanently)	CPU temperature > 55°
Blinking red	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 on (permanently)	Serial configuration session logged on
Flickering orange	Data transmission during the configuration session

④ WLAN

Red on (permanently)	The LANCOM WLAN controller is not yet operational; one of the following elements is missing: ■ Root certificate ■ Device certificate ■ Current time ■ Random number for the DTLS encryption
Green on (permanently)	At least one active access point connected and authenticated.
Blinking red	The device is operational but not connected to an active access point.

⑨ ETH (one green and one yellow LED each)

Green off	No networking device attached
Green on (permanently)	Connection to network device operational, no data traffic
Flickering green	Data transmission
Yellow off	1000 Mbps
Yellow on (permanently)	10/100 Mbps

⑧ VPN

Off	No VPN connection active
Green on (permanently)	VPN connection active
Blinking green	Establishing VPN connections

⑦ CA

Off	Internal CA switched off
Green on (permanently)	Internal CA switched on and ready
Red on (permanently)	Internal CA switched on; an error has occurred
Orange on (permanently)	CA switched on and ready; request pending

⑥ Lost APs

Blinking red	At least one expected access point has not been found.

⑤ New APs

Blinking orange	At least one new access point for authentication has been found.

TECHNICAL DATA

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 removable 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 switch 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 UMTS USB modems; bi-directional data transfer available.
Config (Com)	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	
CE	EN 55024, EN 60950
FCC	FCC Class A Part 15

Package content	
Manual	Quick Reference Guide (DE/EN), Installation Guide (DE/EN/FR/ES/IT/PT/NL), FCC Documentation
CD/DVD	Data medium with firmware, management software (LANconfig, LANmonitor) and documentation
Cable	Ethernet cable, 3m (kiwi-colored connectors)
Cable	Serial configuration cable, 1.5 m
Cable	IEC power cord