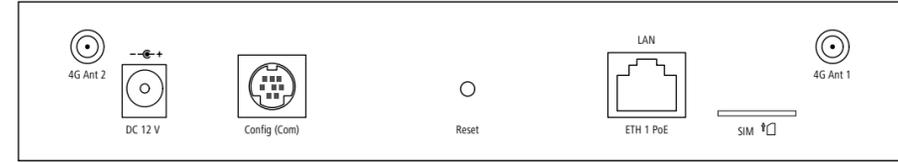




Interface overview of the LANCOM 730-4G+

Rear panel



- ① ② ③ ④ ⑤ ⑥ ①

- ① LTE / 4G antenna connectors
② Power supply connector
③ Serial configuration interface
④ Reset button
⑤ Ethernet interface
⑥ SIM card slot

Quick Installation Guide

LANCOM 730-4G+

Initial start-up

Establishing the required connections for device configuration

Always observe the adjacent safety instructions and notes. For the power supply select the description a), b) or c) applicable to the equipment of the present device

- a) Power supply via external power supply unit
b) PoE power supply via PoE network device
c) PoE power supply via separate PoE injector

Always observe the documentation of the PoE injector or PoE switch!

Use suitable cables to connect other required device interfaces to other components and, in the case of devices with Wi-Fi or mobile radio interfaces, connect any antennas supplied.

Select one of the following configuration methods a) or b).

- a) Configuration via the local network (recommended)
b) Configuration via the serial interface of a connected computer (if available)

Options for initial start-up of the unconfigured device

Option 1: via web browser (WEBconfig, not for serially connected devices)

Configuration via web browser is an easy and fast variant, since no additional software is required on the computer used for configuration.

Note: If a certificate warning appears in your browser when trying to connect to your device, there is a button or link on the displayed browser page to connect to the device anyway (depending on the browser, usually under Advanced).

In the following, select the description a) or b) that applies to your setup for configuring the device.

- a) Configuration in a network without active DHCP server
b) Configuration in a network with active DHCP server

For configuration via TCP/IP, the IP address of the device in the local network (LAN) is required. After power-on, an unconfigured LANCOM device first checks whether a DHCP server is active in the LAN.

The device can be accessed from any computer with the Auto DHCP function enabled using a web browser under the IP address 172.23.56.254.

The given IP address can be modified at any time.

In this procedure, the DNS server used in your network must be able to resolve the host name reported by the device via DHCP. When using a LANCOM device as a DHCP and DNS server, this is the default case.

At https://lancom-XXYYZZ you can access your device.

Replace XXYYZZ with the last six digits of the MAC address of your device, which you can find on the enclosed document LANCOM Management Cloud or on the nameplate of the device. If necessary, append the domain name of your local network (e.g. .intern).

- When the computer is connected to an unconfigured LANCOM device, WEBconfig automatically starts the setup wizard Basic settings.
After the setup wizard has been run through, the initial commissioning of the device is complete.
If necessary, make further configurations using the setup wizards available for selection.

Option 2: via the Windows software LANconfig (www.lancom-systems.com/downloads)

- Please wait until the booting process of the device is completed before starting LANconfig.
Unconfigured LANCOM devices are automatically found by LANconfig in the local network (LAN) and the setup wizard Basic settings is then started.
After the setup wizard has finished, the initial start-up of the device is complete.
If necessary, make further configurations using the setup wizards available for selection.

Option 3: via the LANCOM Management Cloud (LMC)

The LMC is not required for the operation of LANCOM devices, but it facilitates their commissioning and permanent management through centralized, automated management. Special requirements are necessary to configure the device via the LMC. Information on this topic can be found at www.lancom-systems.com/lmc-access.

General safety instructions

- Under no circumstances should the device housing be opened and the device repaired without authorization.
If antennas are available, they may only be installed or replaced when the device is switched off.
Mounting, installation, and commissioning of the device may only be carried out by qualified personnel.

Safety instructions and intended use

In order to avoid harming yourself, third parties or your equipment when installing your LANCOM device, please observe the following safety instructions. Operate the device only as described in the corresponding documentation.

Before commissioning the device, be sure to study the corresponding Hardware Quick Reference which can be downloaded from the LANCOM website www.lancom-systems.com/downloads.

Any warranty and liability claims against LANCOM Systems are excluded in the event of any use other than the intended use described below!

Environment

LANCOM devices should only be operated when the following environmental requirements are met:

- Ensure that you comply with the temperature and humidity ranges specified in the Quick Reference Guide for the LANCOM device.
Do not expose the device to direct sunlight (does not apply to outdoor devices).
Ensure that there is adequate air circulation and do not obstruct the ventilation slots.
Do not cover devices or stack them on top of one another.
The device must be mounted so that it is freely accessible (for example, it should be accessible without the use of technical aids such as elevating platforms).
Only outdoor equipment intended for this purpose is to be operated outdoors.
When operating an outdoor device without a suitable surge protection adapter, LANCOM does not provide any warranty in case of surge damage.

Power supply

Before start-up, the following points must be observed, as improper use can lead to personal injury and damage to property, as well as voiding the warranty:

- If available, the power plug of the device must be freely accessible.
Operate the device only with a professionally installed power supply at a nearby and at all times freely accessible socket.
Only use the enclosed power supply / IEC cable or the one listed in the hardware quick reference.
A high touch current is possible for devices with metal housing and grounding screw!
Some devices support power supply via an Ethernet cable (Power over Ethernet - PoE).
Never operate damaged components.
Only switch on the device when the housing is closed.
The device must not be installed during thunderstorms and should be disconnected from the power supply during thunderstorms.
In case of emergency (e.g. damage, ingress of liquids or objects, for example through the ventilation slots), disconnect the power supply immediately.

Applications

- The devices may only be used in accordance with the relevant national regulations and under consideration of the legal situation applicable there.
The devices must not be used for the actuation, control, and data transmission of machinery that, in case of malfunction or failure, may present a danger to life and limb, nor for the operation of critical infrastructures.
The devices with their respective software are not designed, intended or certified for use in: the operation of weapons, weapons systems, nuclear facilities, mass transportation, autonomous vehicles, aircraft, life support computers or equipment.

Regulatory Notice

Regulatory compliance for devices with radio or Wi-Fi interfaces

This LANCOM device is subject to governmental regulation. The user is responsible for ensuring that this device operates in accordance with local regulatory guidelines, specifically for compliance with potential channel restrictions.

Channel restrictions in Wi-Fi operation for devices with Wi-Fi interfaces

When operating this radio equipment in EU countries the frequency range 5,150 – 5,350 MHz (Wi-Fi channels 36 – 64) as well as the frequency range 5,945 – 6,425 MHz (Wi-Fi channels 1 – 93) is limited to indoor use.

Maximum transmission power for devices with radio interfaces

This LANCOM device may contain one or more radio interfaces using various technologies. The maximum output power per technology and used frequency band for use in EU countries is described in the following tables:

Table with 5 columns: Technology, Frequency range (MHz), Max. output power (dBm EIRP), Technology, Frequency range (MHz), Max. output power (dBm EIRP). Rows include Wi-Fi, SRD / BLE / SRD / ESL, and LTE / SubGHz-ESL.

Declarations of Conformity

You will find all the Declarations of Conformity concerning our product portfolio under www.lancom-systems.com/doc. These documents contain all the tested standards and required guidelines in the area of EMC - SAFETY - RF, as well as the proof of the guidelines concerning RoHS & REACH.

CE Simplified Declaration of Conformity

Hereby, LANCOM Systems GmbH | Adenauerstrasse 20/B2 | D-52146 Wuersele, declares that this device is in compliance with Directives 2014/30/EU, 2014/35/EU, 2014/53/EU, 2011/65/EU, and Regulation (EC) No. 1907/2006. The full text of the EU Declaration of Conformity is available at the following Internet address: www.lancom-systems.com/doc

Table with 3 columns: Documentation / Firmware, Service & Support, All information on your device. Includes links to knowledgebase, service support, and lifecycle information.

Technical data (excerpt)

Table with 2 columns: Hardware, Package contents. Lists power supply, housing, cables, antennas, and power adapter.