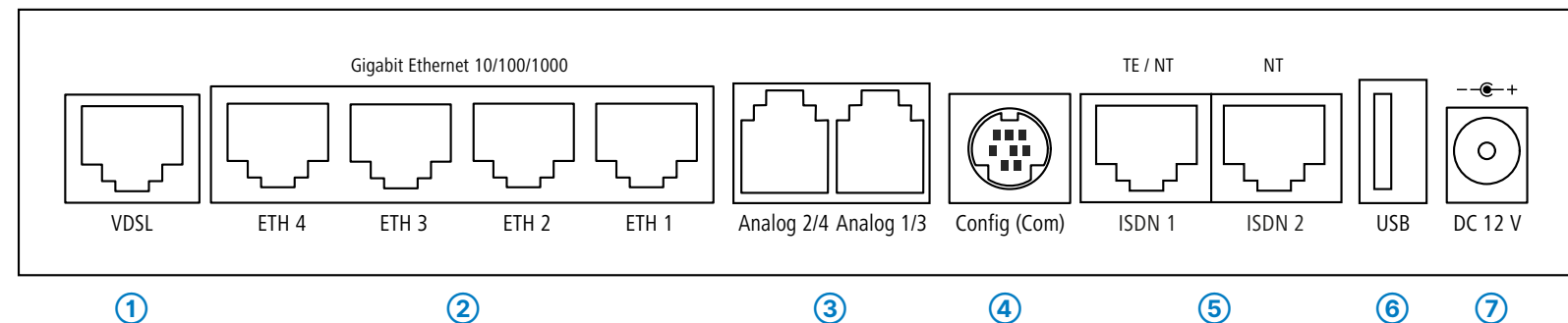
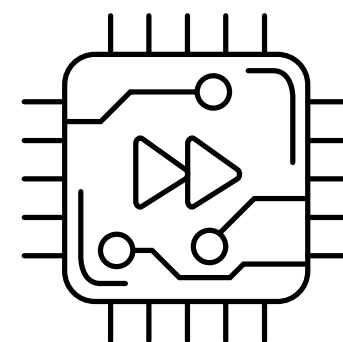
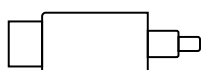
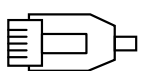


Hardware Quick Reference

LANCOM 883+ VoIP

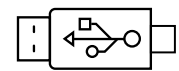


- 1 VDSL interface**
Use the supplied DSL cable for the IP-based line to connect the VDSL interface and the provider's telephone socket. For more information, please contact your Internet service provider.
- 2 Ethernet interfaces**
Use an Ethernet cable to connect one of the interfaces ETH 1 to ETH 4 to your PC or a LAN switch.
- 3 Analog interfaces**
Connect analog terminal devices to the analog interfaces either directly via RJ11, or with the help of the enclosed TAE adapters. Further adapters are optionally available.
- 4 Configuration interface**
Use a serial configuration cable to connect the serial interface (COM) to the serial interface of the device you want to use for configuring / monitoring (separately available).



- 5 ISDN interfaces**
ISDN 1: Internal (NT) or external (TE) ISDN bus. This feature is controlled by LCOS.
ISDN 2: Internal (NT) ISDN bus.

A 100-Ohm resistor for line termination is switchable in LCOS.
- 6 USB interface**
You can use the USB interface to connect a USB printer or a USB memory stick.
- 7 Power**
After connecting the cable to the device, turn the bayonet connector 90° clockwise until it clicks into place. Use only the supplied power adapter.



Before initial startup, please make sure to take notice of the information regarding the intended use in the enclosed installation guide!

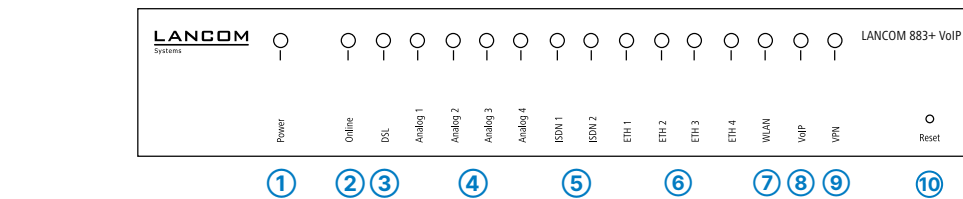
Operate the device only with a professionally installed power supply at a nearby power socket that is freely accessible at all times.



Please observe the following when setting up the device

- The power 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
- Keep all ventilation slots on the side of the device clear of obstruction
- Rack installation with the optional LANCOM Rack Mount (separately available)
- Please note that support service for third-party accessories is excluded.

Mounting & connecting



LED	Indicator	Meaning
1	Power	<ul style="list-style-type: none"> Off: Device switched off Green, permanently*: Device operational, resp. device paired / claimed and LANCOM Management Cloud (LMC) accessible Red / green blinking: Configuration password not set. Without a configuration password, the configuration data in the device is unprotected. Red blinking: Charge or time limit reached 1x green inverse blinking*: Connection to the LMC active, pairing OK, device not claimed 2x green inverse blinking*: Pairing error, resp. LMC activation code not available 3x green inverse blinking*: LMC not accessible, resp. communication error
2	Online	<ul style="list-style-type: none"> Off: WAN connection inactive Green, blinking: WAN connection is established (e.g. PPP negotiation) Green, permanently: WAN connection active Red, permanently: WAN connection error
3	DSL	<ul style="list-style-type: none"> Off: Interface deactivated Green, permanently: DSL connection active Green, flickering: DSL data transfer Red, flickering: DSL transfer error Red / orange, blinking: DSL hardware error Orange, blinking: DSL training Orange, permanently: DSL sync Green, blinking: DSL connecting
4	Analog 1 - Analog 4	<ul style="list-style-type: none"> Off: Interface deactivated Green, permanently: Interface activated Orange, blinking: Incoming call Green, blinking: Connection active
5	ISDN 1 / ISDN 2	<ul style="list-style-type: none"> Off: Interface deactivated Green, permanently: D-channel active Green, flickering: ISDN data transfer Red, flickering: ISDN transfer error Red / orange, blinking: ISDN hardware error
6	ETH1 - ETH4	<ul style="list-style-type: none"> Off: No networking device attached Green, permanently: Connection to network device operational, no data traffic Green, flickering: Data transmission
7	WLAN	<ul style="list-style-type: none"> Off: No Wi-Fi network defined or Wi-Fi module deactivated. The Wi-Fi module is not transmitting beacons. Green, permanently: At least one Wi-Fi network is defined and Wi-Fi module activated. The Wi-Fi module is transmitting beacons. Green, blinking: DFS scanning or other scan procedure Red, blinking: Hardware error in Wi-Fi module
8	VoIP	<ul style="list-style-type: none"> Off: No SIP accounts defined or VCM is off Green, permanently: All defined and active SIP accounts (outgoing) were successfully registered Red, permanently: Not all defined and active SIP accounts were registered (possibly still in process) Red or green, inverse flashing: Number of currently used lines (connecting or connected)
9	VPN	<ul style="list-style-type: none"> Off: VPN connection inactive Green, permanently: VPN connection active Green, flashing: VPN connecting
10	Reset	<ul style="list-style-type: none"> Reset button: Operated e.g. with a paper clip short press: Restart the device long press: Reset the device

*) The additional power LED statuses are displayed in 5-seconds rotation if the device is configured to be managed by the LANCOM Management Cloud.

This product contains separate open-source software components which are subject to their own licenses, in particular the General Public License (GPL). The license information for the device firmware (LCOS) is available on the device's WEBconfig interface under "Extras > License information". If the respective license demands, the source files for the corresponding software components will be made available on a download server upon request.

Hardware	
Power supply	12 V DC, external power adapter
Environment	Temperature range 0 – 40 °C; humidity 0 – 95 %; non-condensing
Housing	Robust plastic housing, connectors on the back, prepared for wall mounting, Kensington lock; dimensions 210 × 45 × 140 mm (W x H x D)
Fan	1 quiet fan

Interfaces	
VDSL2	VDSL2 acc. to ITU G.993.2; profiles 8a, 8b, 8c, 8d, 12a, 12b, 17a, 30a, 35b VDSL2 Supervectoring acc. to ITU G.993.2 (Annex Q) VDSL2 vectoring acc. to ITU G.993.5 (G.Vector) Compatible with VDSL2 and with Deutsche Telekom's U-R2 connection (1TR112) ADSL2+ over ISDN acc. to ITU G.992.5 Annex B/J with DPBO, ITU G.992.3 and ITU G.992.1 ADSL2+ over POTS acc. to ITU G.992.5 Annex A/M with DPBO, ITU G.992.3 and ITU G.992.1 Supports only one virtual circuit in ATM (VPI-VC) pair) at a time
WAN (Combo port) SFP / TP	WAN SFP: Slot for small form-factor pluggable Gigabit Ethernet transceiver (mini-GBIC). Compatible with optional LANCOM SFP modules for fiber optic connections. Switched as WAN port at delivery, can be configured as LAN port. WAN TP: 10 / 100 / 1000 Base-TX, Autosensing Full duplex, Auto node hub
ETH	4 individual 10 / 100 / 1000-Mbps Fast Ethernet ports; operate as switch ex-factory. Up to 3 ports can be switched as additional WAN ports.
USB	USB 2.0 Hi-Speed host port for connecting USB printers (USB print server), serial devices (COM-port servers), or USB data media (FAT file system)
Analog 1 - Analog 4	Use the cables from your analog terminals to connect them to the analog interfaces. If necessary use the adapters from the LANCOM Analog Adapter Set.
ISDN 1 / ISDN 2	ISDN 1: Internal (NT) or external (TE) ISDN bus. This feature is controlled by LCOS. ISDN 2: Internal (NT) ISDN bus.
Wi-Fi	Frequency bands: 2400-2483.5 MHz (ISM) and 5150-5725 MHz (country-specific restrictions possible) Radio channels 2.4 GHz: Up to 13 channels, max. 3 non-overlapping (2.4 GHz band) Radio channels 5 GHz: Up to 26 non-overlapping channels (available channels depending on country-specific regulation and associated with automatic, dynamic DFS channel selection)
Configuration interface	Serial configuration interface/COM-port (8-pin mini-DIN): 9,600 - 115,200 baud, suitable for optional connection of analog/GPRS modems. Supports internal COM-port server and provides transparent asynchronous serial-data transfer via TCP.

WAN protocols	
Ethernet	PPPoE, Multi-PPPoE, ML-PPP, PPTP (PAC or PNS) and IPoE (with or without DHCP)
Package content	
Cables	1 DSL cable for an IP-based line, 4.25 m
Adapters	2 TAE adapters (RJ11 - TAE)
Power adapter	External power adapter

Hereby, LANCOM Systems GmbH | Adenauerstrasse 20/B2 | D-52146 Wuersele, declares that this device is in compliance with Directives 2014/30/EU, 2014/53/EU, 2014/35/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