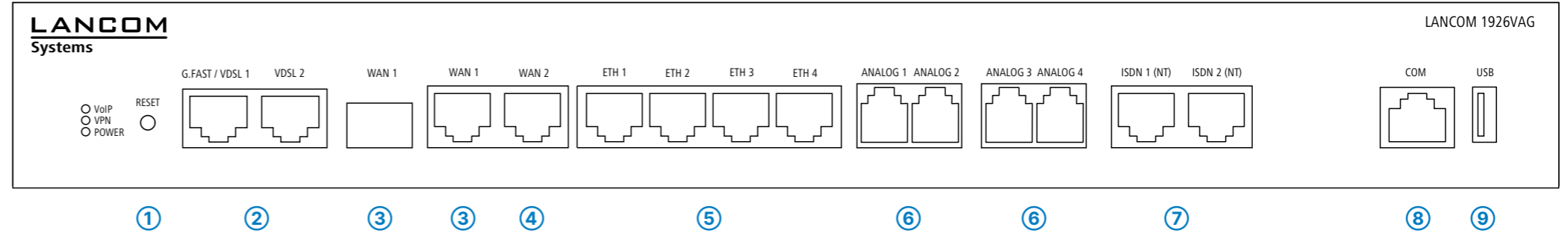
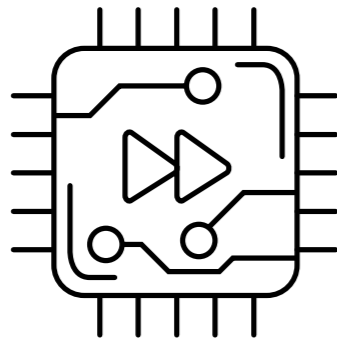


Hardware Quick Reference LANCOM 1926VAG



1 Reset button
Short press > Restart the device
Long press > Reset the device

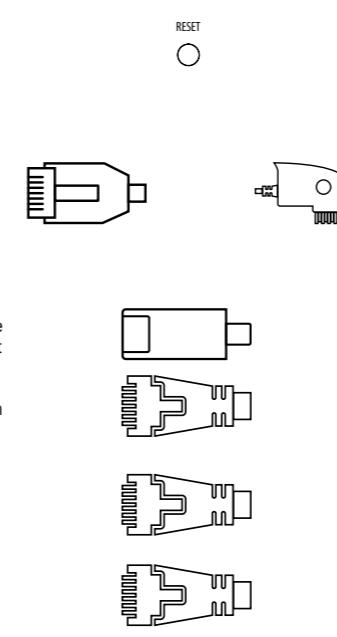
2 G.FAST- / VDSL- / ADSL interfaces*
If required, use the supplied DSL cables for the IP-based line to connect each G.FAST / VDSL / ADSL interface to a separate provider's telephone socket. For more information, please contact your Internet service provider.

* Please use the appropriate cables depending on the design

3 WAN 1 interfaces (SFP / TP combo port)
Insert a suitable SFP module (e.g. 1000Base-SX or 1000Base-LX) into the SFP port. Choose a cable compatible with the SFP module and connect it as described in the module's documentation. SFP module and cable are not included.
If desired, alternatively connect the WAN 1 TP interface to a WAN modem using an ethernet cable.

4 WAN 2 interface (TP)
Connect the WAN 2 interface to a WAN modem using an Ethernet cable.

5 Ethernet interface
Use the cable with the kiwi-colored connectors to connect one of the interfaces ETH 1 to ETH 4 to your PC or a LAN switch.



6 Analog interfaces
Connect analog terminal devices to the analog interfaces either directly via RJ11 or with the help of the enclosed TAE adapters.

7 ISDN interfaces
ISDN 1: Internal (NT) ISDN bus.
ISDN 2: Internal (NT) ISDN-bus.

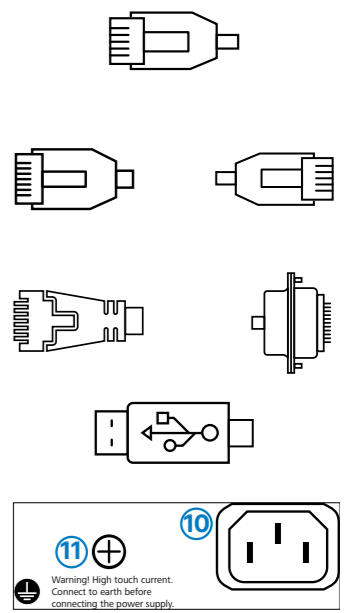
A 100-Ohm resistor for line termination is switchable in LCOS.

8 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.

9 USB interface
You can use the USB interface to connect a USB printer or a USB storage device.

10 Power connector and grounding point (device back side)
Supply power to the device via the power connector. Please use the IEC power cable supplied (separately available for WW devices).

11 ATTENTION: High touch current possible! Connect to earth before connecting the power supply.



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.

The power plug of the device must be freely accessible.

Please note that support for third-party accessories is not provided.



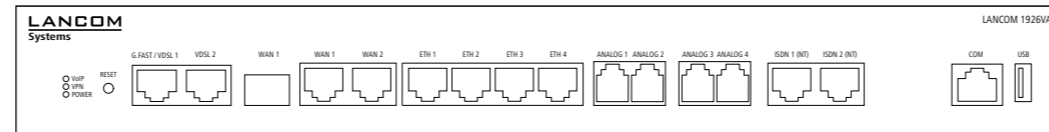
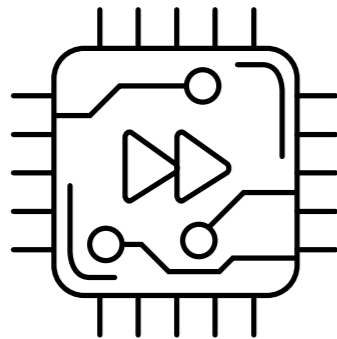
Please observe the following when setting up the device

- For devices to be operated on the desktop, please attach the adhesive rubber footpads
- Do not rest any objects on top of the device and do not stack multiple devices
- Keep all ventilation slots of the device clear of obstruction
- Mount the device into a 19" unit in a server cabinet using the provided screws and mounting brackets. Pay attention to the "R" and "L" marks on the brackets for accurate mounting.



LED description & technical details

Hardware Quick Reference LANCOM 1926VAG



A	B	C	D	E
A VoIP / VPN / POWER	B G.FAST / VDSL 1 / VDSL 2	C WAN 1 / WAN 2	D ETH 1 - ETH 4	E ISDN 1 (NT) / ISDN 2 (NT)
VoIP 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 of the defined and active SIP accounts were registered (possibly still in process) Red or green, inverse flashing Number of currently used lines (connecting or connected) VPN Off VPN connection inactive Green, permanently VPN connection active Green, flashing VPN connecting POWER Off Device switched off Green, permanently* Device operational, resp. device paired / claimed and LANCOM Management Cloud (LMC) accessible Green / red, blinking No password set. Without a 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	Off Interface deactivated Green, blinking DSL connecting Green, permanently DSL connection active Green, flickering DSL data transfer Green / orange, flickering DSL transfer error Green / orange, blinking synchronously DSL hardware error Orange, blinking DSL training Orange, permanently DSL sync	Green, orange off No networking device connected Green, permanently Connection to network device operational, no data transmission Green, flickering Data transmission Orange off 1000 Mbps Orange, permanently 10 / 100 Mbps	Green, orange off No networking device connected Green, permanently Connection to network device operational, no data traffic Green, flickering Data transmission Orange off 1000 Mbps Orange, permanently 10 / 100 Mbps	Off Interface deactivated Green, permanently D-channel active Green, blinking ISDN connection active Orange, blinking ISDN connecting Green / orange, blinking synchronously ISDN hardware error Orange, permanently Connection inactive

*) 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	Internal power supply unit (100–240 V, 50-60 Hz)
Power consumption	Max. 34 W
Environment	Temperature range 0–40 °C, humidity 0–95 %; non-condensing
Housing	Robust metal housing, 1 HU with mounting brackets for 19" installation, 345 × 44 × 253 mm (W x H x D)
Number of fans	1 quiet fan
Interfaces	
G.FAST / VDSL 1 / VDSL 2	G.FAST acc. to ITU G.9700 and G.9701, profiles 106a, 212a VDSL2 acc. to ITU G.993.2, profiles 8a, 8b, 8c, 8d, 12a, 12b, 17a, 35b VDSL2 supervectoring acc. to ITU G.993.2 (Annex Q) VDSL2 vectoring: acc. to ITU G.993.5 (G.Vector) Compatible with VDSL2 from Deutsche Telekom Compatible with the U-R2 connection of Deutsche Telekom (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 connection in ATM (VPI-VCI pair) at a time Automatic detection of Deutsche Telekom VDSL connections with VLAN ID 7
WAN 1 / WAN 2	WAN 1 SFP: Compatible with optional LANCOM SFP modules. Set as a WAN port ex-factory, can be configured as a LAN port. WAN 1 / WAN 2 TP: 10 / 100 / 1000 Base-TX, autosensing full duplex (WAN 1) / autosensing (WAN 2), auto node hub
ETH1 - ETH 4	4 individual ports, 10 / 100 / 1000 Mbps Gigabit Ethernet, by default set to switch mode. Up to 3 ports can be operated as additional WAN ports. Ethernet ports can be electrically disabled in the LCOS configuration.
Analog 1 - Analog 4	Use the cables of your analog devices to connect them with the analog interfaces. If necessary, use the enclosed adapters.
ISDN 1 / ISDN 2	ISDN 1: Internal (NT) ISDN bus. Connect the ISDN interface to an ISDN cable and the ISDN device. ISDN 2: Internal (NT) ISDN bus. Connect the ISDN interface to an ISDN cable and the ISDN device.
Config (Com) / V.24	Serial configuration interface / COM-port: 9,600 - 115,200 baud
USB	USB 2.0 hi-speed host port for connecting USB printers (USB print server), serial devices (COM-port server) or USB drives (FAT file system)
WAN protocols	
G.Fast, VDSL, ADSL, Ethernet	PPPoE, Multi-PPPoE, PPTP (PAC or PNS) and IPoE (with or without DHCP), RIP-1, RIP-2, VLAN, GRE, EoGRE, L2TPv2 (LAC or LNS), IPv6 over PPP (IPv6 and IPv4/IPv6 dual stack session), IP(v6)oE (autoconfiguration, DHCPv6 or static)
ISDN	DSS1 (Euro-ISDN), PPP
Package content	
Cables	2 DSL cables for IP-based connection, 4.25 m, or 2 DSL cables, 3 m (dark blue connectors), depending on the version; 1 Ethernet cable, 3 m (kiwi colored connectors); 1 IEC power cord 230 V (not for WW devices)
Adapters	4 TAE adapters (RJ11 - TAE)
Mounting brackets	Two 19" brackets for rack mounting

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