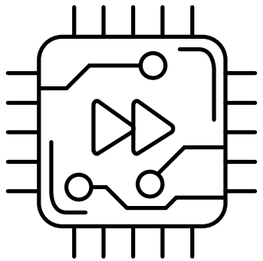
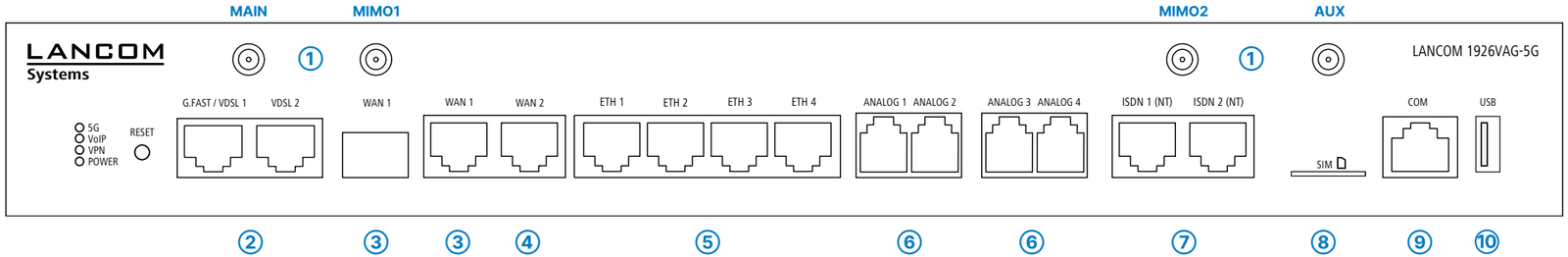
Mounting & connecting

Hardware Quick Reference

LANCOM 1926VAG-5G





① **5G antenna connectors**
Connect the supplied cellular antennas to the connectors MAIN / AUX or MIMO1 / MIMO2 at the front of 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.

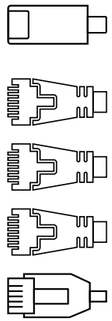
* Please use the appropriate cables depending on the design

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 modulel 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 interfaces**
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.

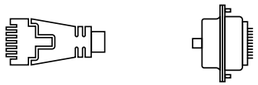


⑦ **ISDN interfaces**
ISDN 1: Internal (NT) ISDN bus
ISDN 2: Internal (NT) ISDN-bus

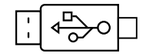
A 100-Ohm resistor for line termination is switchable in LCOS.

⑧ **SIM card slot**
Slide the SIM card into the SIM card slot using the marker to ensure that the card is the right way round. Ensure that the SIM card clicks into place on insertion. To remove the card from the device, press the card lightly into the device.
Let go to release the SIM card from the slot.

⑨ **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.

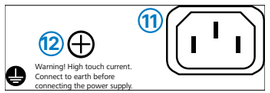


⑩ **USB interface**
You can use the USB interface to connect a USB printer or a USB storage device.



⑪ **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).

⑫ **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.

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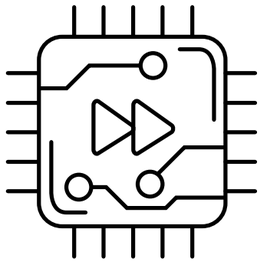
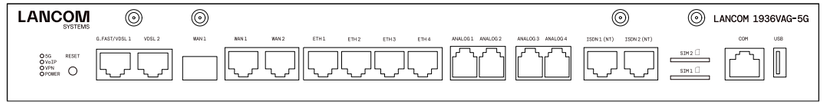
LED description & technical details

Hardware Quick Reference

LANCOM 1926VAG-5G





A 5G / VoIP / VPN / POWER

5G	
Off	Cellular interface disabled
Green, permanently	Connection to cellular network active
Green, flickering	Cellular data transmission
Orange, permanently	Logon to cellular network successful
Orange, blinking	Logging on to cellular network
Red, permanently	Hardware error / module unavailable
Red / green, blinking	SIM card error (PIN)
Red / orange, blinking	Uploading module firmware
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

B RESET

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

C G.FAST / VDSL 1 / VDSL 2

Off	Interface deactivated
Green, blinking	DSL connecting
Green, pemanently	DSL connection active
Green, flickering	DSL data transmission
Green / orange, flickering	DSL transmission error
Green / orange, blinking synchronously	DSL hardware error
Orange, blinking	DSL training
Orange, permanently	DSL sync

D WAN 1 / WAN 2

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

E ETH 1 - ETH 4

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

F ISDN 1 (NT) / ISDN 2 (NT)

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

Hardware	
Power supply	Internal power supply unit (100–240 V, 50-60 Hz)
Power consumption	Max. 38 W
Environment	Temperature range 0–40 °C, humidity 0–95 %; non-condensing
Housing	Robust metal housing, 1 HU with mounting brackets for 19" installation, W 345 x H 44 x D 253 mm)
Number of fans	1 quiet fan
Interfaces	
G.FAST / VDSL 1 / VDSL2 WAN 1 / WAN 2 ETH 1 - ETH 4 Analog 1 - Analog 4 ISDN 1 / ISDN 2 Config (COM) / V.24 USB 5G	Detailed interface specifications can be found in the device data sheet after entering the device name at www.lancom-systems.com/downloads.
Data transmission in cellular networks - supported standards and power (dBm)	
LTE / LTE Advanced	Band 1: 24.0; band 3: 24.8; band 7: 24.8; band 8: 24.0; band 20: 24.0; band 34: 24.0; band 38: 24.8; band 40: 24.8; band 42: 24.8
5G NR	n1: 24.0; n3: 24.0; n28: 24.0; n41: 24.0; n77: 24.5; n78: 24.5
Package content	
Cables	2x DSL cables for IP-based connection, 4.25 m, or 2x DSL cables, 3 m (dark blue connectors), depending on the version; 1x Ethernet cable, 3 m (kiwi colored connectors); 1 IEC power cord 230 V (not for WW devices)
Antennas	4× 5G/4G antennas for 5G/LTE
Adapters	4x TAE adapters (RJ11 - TAE)
Mounting brackets	2× 19" brackets for rack mounting

*) 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.

Hereby, LANCOM Systems GmbH | Adenauerstrasse 20/B2 | D-52146 Wuerselen, 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

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