Gigabit Ethernet 10/100/1000 — TE / NT — NT

Ant 2 — VDSL / ADSL | ETH 4 | ETH 3 | ETH 2 | ETH 1 | Analog 2/4 | Analog 1/3 | Config (Com) | ISDN 1 | ISDN 2 | USB | DC 12 V — Ant 1
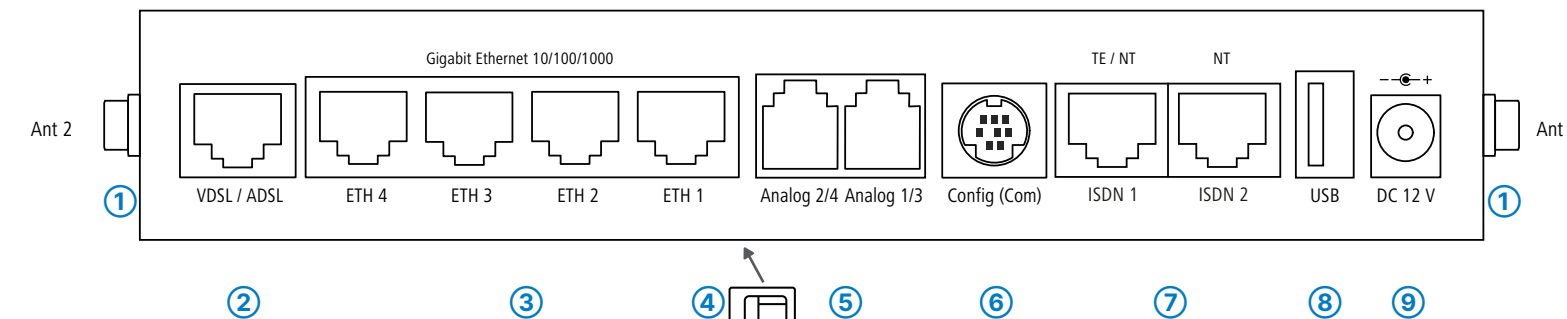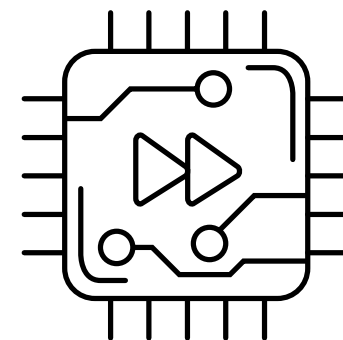
LANCOM 1793VA-4G+

Hardware Quick Reference

LANCOM 1793VA-4G+

① LTE / 4G antennas
Connect the two supplied cellular antennas to the connectors Ant 1 and Ant 2.

② VDSL / ADSL 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.

③ Ethernet interfaces
Use an Ethernet cable to connect one of the interfaces ETH 1 to ETH 4 to your PC or a LAN switch.

④ SIM card slot (device bottom)
Release the SIM-card holder and lever it upwards. Slide the SIM card into the guide slot of the SIM-card holder. Press the holder down until it clicks into place.

⑤ 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.
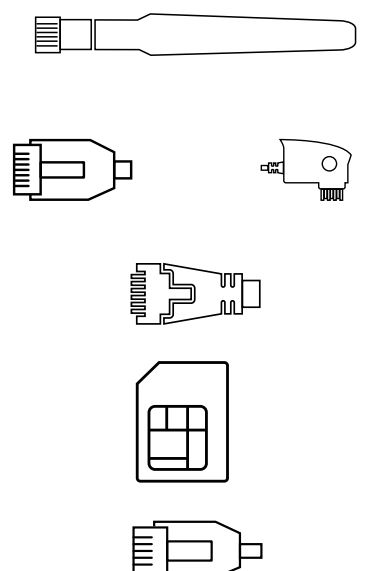
⑥ Configuration interface
Use a serial configuration cable to connect the serial interface (COM) to the serial interface of the device you want to use for configuring / monitoring (separately available).

⑦ 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.

⑧ USB interface
You can use the USB interface to connect a USB printer or a USB memory stick.

⑨ 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.
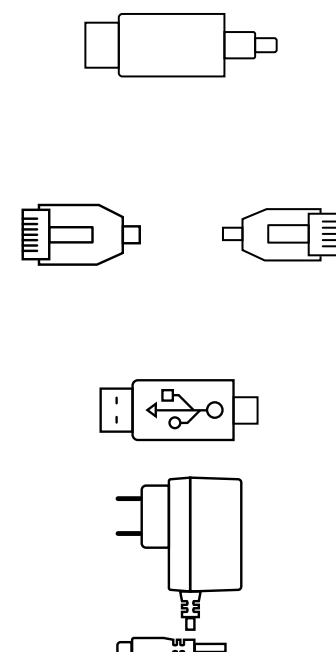
Before initial startup, please make sure to take notice of the information regarding the intended use in the enclosed installation guide!
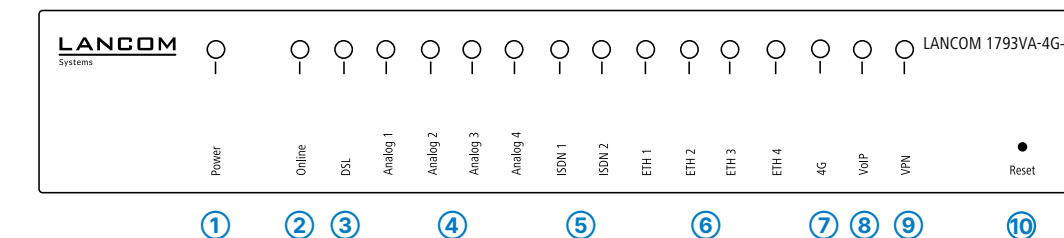
Operate the device only with a professionally installed power supply at a nearby power socket that is freely accessible at all times.

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
→ In case of wall mounting, use the drilling template as supplied
→ Rack installation with the optional LANCOM Rack Mount (separately available)

Mounting & connecting

LANCOM 1793VA-4G+

Power | Online | DSL | Analog 1 | Analog 2 | Analog 3 | Analog 4 | ISDN 1 | ISDN 2 | ETH 1 | ETH 2 | ETH 3 | ETH 4 | 4G | VoIP | VPN | Reset

① Power

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

Green, blinking	WAN connection is established (e.g. PPP negotiation)
Green, permanently	WAN connection active
Red, permanently	WAN connection error

③ DSL

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

Green, permanently	Interface activated
Orange, blinking	Incoming call
Green, blinking	Connection active

⑤ ISDN

Green, permanently	D-channel active
Green, flickering	ISDN data transfer
Red, flickering	ISDN transfer error
Red / orange, blinking	ISDN hardware error

⑥ ETH

Green, permanently	Connection to network device operational, no data traffic
Green, flickering	Data transmission

⑦ 4G

Green, permanently	Connection to cellular network active
Green, flickering	Cellular data transfer
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

⑧ 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 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

Green, permanently	VPN connection active
Green, flashing	VPN connecting

⑩ Reset

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.

LED description & technical details

Hardware

Power supply	12 V DC, external power adapter (230 V); bayonet connector to secure against disconnection
Power consumption	Max. ca. 18 W
Environment	Temperature range 0–40 °C; humidity 0–95 %; non-condensing
Housing	Robust synthetic housing, rear connectors, ready for wall mounting, Kensington lock; measures 210 × 45 × 140 mm (W x H x D)
Number of fans	1 quiet fan

Interfaces

WAN: VDSL2	VDSL2 as per ITU G.993.2; profiles 8a, 8b, 8c, 8d, 12a, 12b, 17a, 35b VDSL Supervectoring as per ITU G.993.2 (Annex Q) VDSL2 vectoring as per ITU G.993.5 (G.Vector) Compatible to VDSL2 from Deutsche Telekom Compatible to U-R2 from Deutsche Telekom (1TR112) ADSL2+ over ISDN as per ITU G.992.5 Annex B/J with DPBO, ITU G.992.3, and ITU G.992.1 ADSL2+ over POTS as per ITU G.992.5 Annex A/M with DPBO, ITU G.992.3, and ITU.G.992.1 Supports just one virtual connection at a time in ATM (VPI-VCI pair)
ETH	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.
4G: Ant 1 / 2	Two SMA connectors for the supplied dipole rod antennas (LTE, UMTS), compatible LANCOM AirLancer antennas for 4G or 3G, or from other manufacturers. Please respect the restrictions which apply in your country when setting up an antenna system (in particular antenna gain and transmission power).
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)
ISDN 1 / 2	ISDN 1: Internal (NT) or external (TE) ISDN bus. This feature is controlled by LCOS. According to the settings, connect an ISDN cable either to the NTBA or the ISDN terminal device. ISDN 2: Internal (NT) ISDN bus. Use an ISDN cable to connect the ISDN device to the ISDN interface.
Analog 1 / 2 / 3 / 4	Use the cables of your analog devices to connect them with the analog interfaces. If necessary use the adapters from the LANCOM Analog Adapter Set.
Config (Com) / V.24	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.

Package content

Manual	Quick Reference Guide (DE/EN); Installation Guide (DE/EN)
Cable	1 DSL cable for an IP-based line, 4.25 m
Adapters	2 TAE adapters (RJ11 - TAE)
Antennas	2 LTE / 4G antennas
Power adapter	External power supply adapter (230 V) 12 V / 2 A DC/S; barrel / bayonet (EU), LANCOM item no. 111303 (not for WW devices)