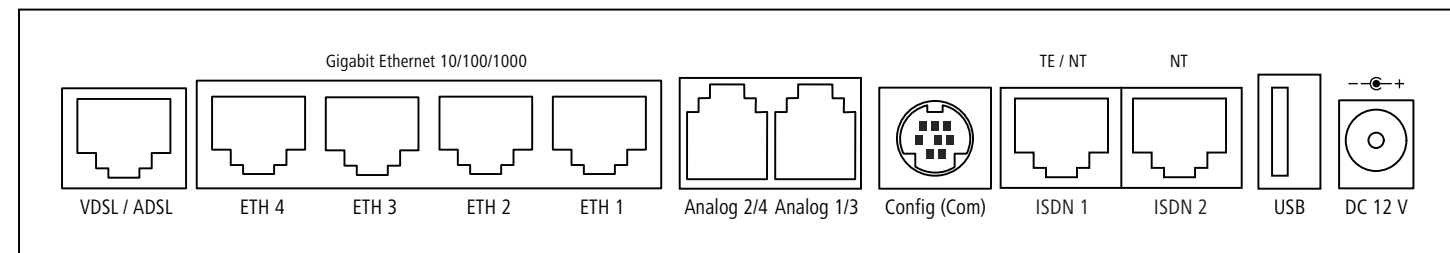


# Hardware Quick Reference LANCOM 1793VA



- ① **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.
- 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).



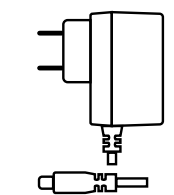
- ⑤ **ISDN interfaces**  
ISDN 1:  
Internal (NT) or external (TE) ISDN bus. This feature is controlled by LCOS.  
ISDN 2:  
Internal (NT) ISDN bus.



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

## Mounting & connecting

LED	Power	Online	DSL	Analog 1, 2, 3, 4	ISDN 1, 2	VoIP	VPN	Reset	
①	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	Green, blinking: WAN connection is established (e.g. PPP negotiation) Green, permanently: WAN connection active Red, permanently: WAN connection error	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	Off: Interface deactivated Green, permanently: Interface activated Orange, blinking: Incoming call Green, blinking: Connection active	Off: Interface deactivated Green, permanently: D-channel active Green, flickering: ISDN data transfer Red, flickering: ISDN transfer error Red / orange, blinking: ISDN hardware error	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)	Off: No networking device attached Green, permanently: Connection to network device operational, no data traffic Green, flickering: Data transmission	Off: VPN connection inactive Green, permanently: VPN connection active Green, flashing: VPN connecting	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 (230 V); bayonet connector to secure against disconnection
Power consumption	Max. 15 W
Environment	Temperature range 0–35 °C; humidity 0–95 %, non-condensing
Housing	Robust synthetic housing, rear connectors, ready for wall mounting, Kensington lock; dimensions 210 × 45 × 140 mm (W x H x D)
Number of fans	None; fanless design without rotating parts, high MTBF

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 with VDSL2 and 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.
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 / ISDN 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 / Analog 3 Analog 2 / Analog 4	Use the cable 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.

WAN protocols	
VDSL, ADSL, Ethernet	PPPoE, PPPoA, IPoA, Multi-PPPoE, ML-PPP, PPTP (PAC or PNS) and IPoE (with or without DHCP), RIP-1, RIP-2, VLAN
ISDN	DSS1 (Euro-ISDN), PPP, X75, HDLC, ML-PPP, V.110/GSM/HSCSD

Package content	
Cable	1 DSL cable for an IP-based line, 4.25 m
Adapters	2 TAE adapters (RJ11 - TAE)
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)

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](http://www.lancom-systems.com/doc)