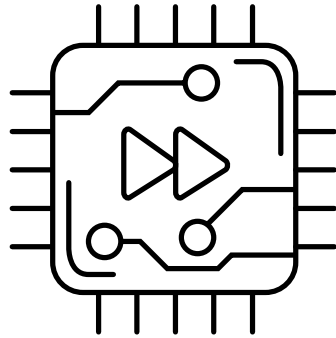


Hardware Quick Reference

LANCOM 1793VA



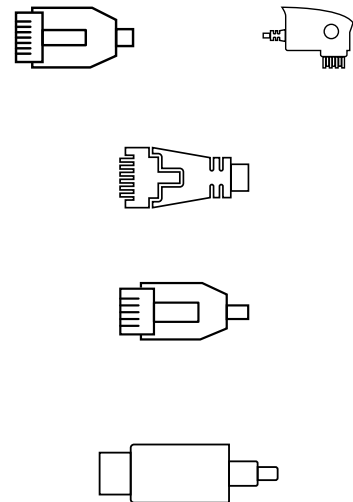
- 1

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).

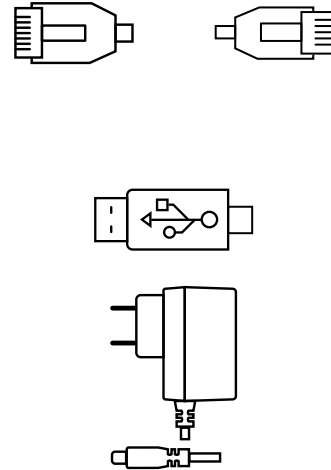


- 5

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.

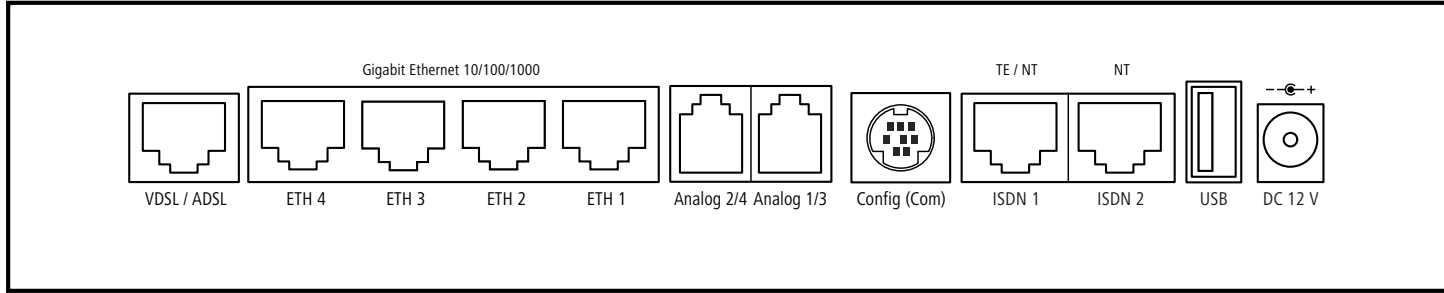


Before initial startup, please make sure to take notice of the information regarding the intended use in the enclosed installation guide!

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

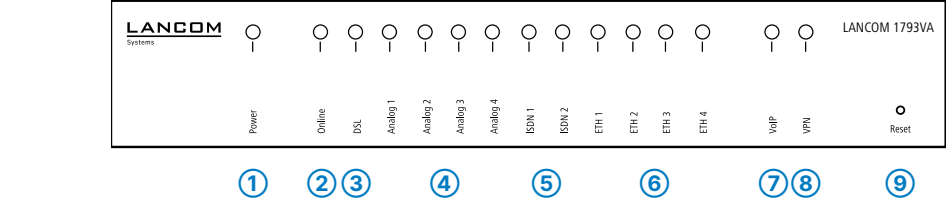


- Please observe the following when setting up the device
- The power plug of the device must be freely accessible.
 - For devices to be operated on the desktop, please attach the adhesive rubber footpads
 - Do not rest any objects on top of the device
 - Keep all ventilation slots on the side of the 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)



- 1
- 2
- 3
- 4
- 5
- 6
- 7

Mounting & connecting



1 Power		5 ISDN 1, 2	
Off	Device switched off	Off	Interface deactivated
Green, permanently*	Device operational, resp. device paired / claimed and LANCOM Management Cloud (LMC) accessible	Green, permanently	D-channel active
		Green, flickering	ISDN data transfer
Red / green blinking	Configuration password not set. Without a configuration password, the configuration data in the device is unprotected.	Red, flickering	ISDN transfer error
		Red / orange, blinking	ISDN hardware error
		6 ETH 1, 2, 3, 4	
Red blinking	Charge or time limit reached	Off	No networking device attached
1x green inverse blinking*	Connection to the LMC active, pairing OK, device not claimed	Green, permanently	Connection to network device operational, no data traffic
2x green inverse blinking*	Pairing error, resp. LMC activation code not available	Green, flickering	Data transmission
3x green inverse blinking*	LMC not accessible, resp. communication error	7 VoIP	
		Off	No SIP accounts defined or VCM is off
2 Online		Green, permanently	All defined and active SIP accounts (outgoing) were successfully registered
Off	WAN connection inactive	Red, permanently	Not all defined and active SIP accounts were registered (possibly still in process)
Green, blinking	WAN connection is established (e.g. PPP negotiation)	Red or green, inverse flashing	Number of currently used lines (connecting or connected)
Green, permanently	WAN connection active	8 VPN	
Red, permanently	WAN connection error	Off	VPN connection inactive
3 DSL		Green, permanently	VPN connection active
Off	Interface deactivated	Green, flashing	VPN connecting
Green, permanently	DSL connection active	9 Reset	
Green, flickering	DSL data transfer	Reset button	Operated e.g. with a paper clip short press: Restart the device long press: Reset the device
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, 2, 3, 4			
Off	Interface deactivated		
Green, permanently	Interface activated		
Orange, blinking	Incoming call		
Green, blinking	Connection active		

*) 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 Config (Com) / V.24	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. 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 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