

LANCOM 1781A-4G

Hardware Quick Reference





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

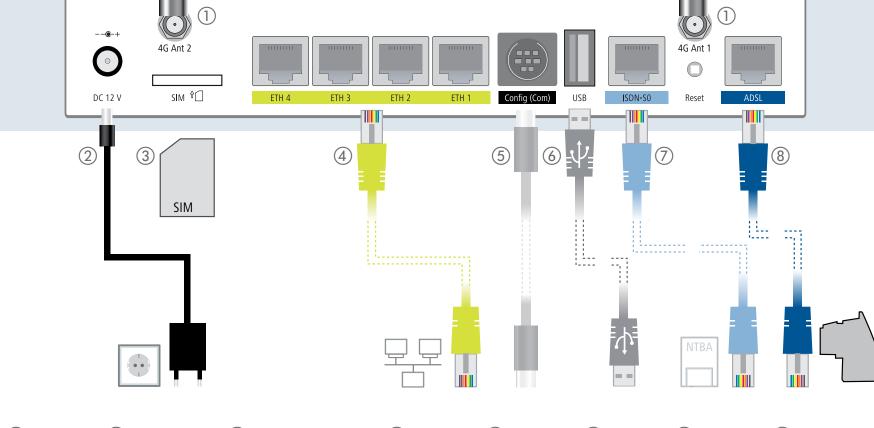


- Keep the ventilation slots on the side of the device clear of obstruction
- mounting, use the drilling template as supplied



■ Rack installation with the optional LANCOM Rack Mount (not supplied)





■ In case of wall

Screw the two supplied cellular and 4G Ant1.

antennas onto the the bayonet connector connectors 4G Ant2 90° clockwise until it clicks into place.



Use only the supplied power adapter.

The system operator is responsible for adhering to the threshold values.

nnas with the device switched on may cause the destruction of the WLAN module!

ennas are only to be attached or changed when the device is switched off. Mounting or demounting

rersion: Antennas not part of the delivery content are a strict violation of FCC rules and must not be use

cable to the device, turn using the marker to ensure that the kiwi-colored the card is the right way round. connectors to card from the device again, press ETH4 to your PC or a (available sepathe card lightly into the device. Let LAN switch.

go to release the SIM card from

When connecting the Slide the SIM card into the slot Use the cable with Serial configura- USB cable tion cable You can connect the storage device or a connectors to conto to the DSL splitter from Ensure that the SIM card clicks into connect one of the device to a PC with a USB printer to the nect the ISDN inter-your provider. Please place on insertion. To remove the interfaces ETH1 to configuration cable USB interface.

Use the ISDN cable Connect the cable with with the light-blue the dark-blue connectors face to the NTBA if you wish to use ISDN additionally.

The SIM card is only to be

device is switched off. Insert

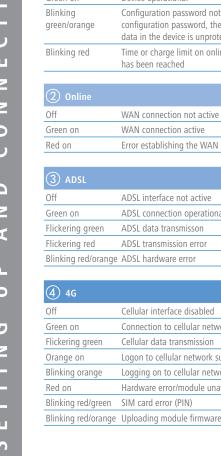
removing the SIM card with the dev

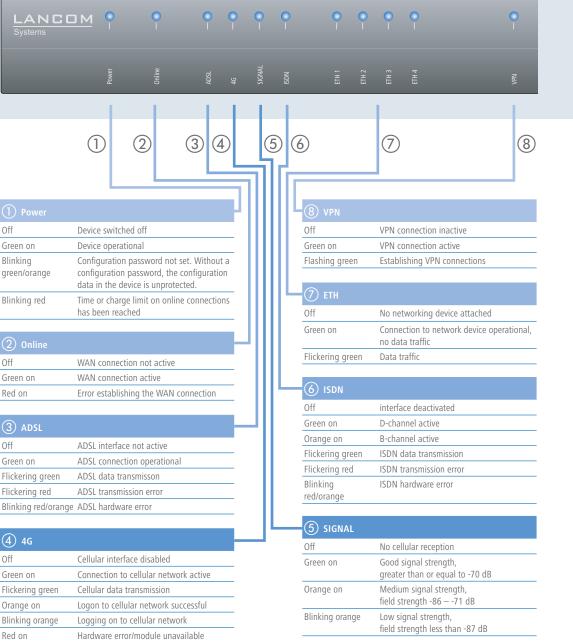
vitched on may cause the destruction

e 4G module!

ensure that you carefully follow any instructions from your provider regarding the installation of the DSL splitter and NTBA (if applicable).

*For operation without splitter please use the DSL cable supplied by your Internet provider or the enclosed adapter. For further information please contact your Internet provider.





12 V DC, external power adapter (230 V) with bayonet connector to secure against disconnection Temperature range 5-40 °C; humidity 0-95 %, non-condensing Robust synthetic housing, rear connectors, ready for wall mounting, Kensington lock; measures 210 x 45 x 140 mm (W x H x D) None: fanless design, no rotating parts, high MTBF Number of fans ADSL Compliant to: ADSL2+ as per ITU G.992.5 Annex A/Annex B/Annex J/Annex M, ADSL2 as per ITU G.992.3 Annex A/Annex B/Annex J/Annex M, ADSL as per ITU.G.992.1 Annex Supports one virtual ATM circuit (VPI, VCI pair) at a time 4 individual 10/100/1000 Mbps Gigabit Ethernet ports in switch-mode by default; up to three can be configured as additional WAN ports. Ethernet ports can be electrically disabled within LCOS configuration. USB 2.0 Hi-Speed host port for connecting USB printers (USB print server), serial devices (COMport servers), USB data media (FAT file system), or supported UMTS USB modems ISDN S₀ bus Config (Com) Serial configuration interface / COM port (8-pin Mini-DIN): 9,600–115,000 baud, suitable for optional connection of analog/GPRS modems. Supports internal COM-port server and transparent asynchronous serial-data transfer via TCP. Two SMA connectors for the supplied dipole rod antennas (LTE, UMTS, Edge), compatible LAN-COM AirLancer Extender 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 the antenna gain and transmission power). WAN protocols PPPoE, Multi-PPPoE, ML-PPP, PPTP (PAC or PNS) and IPoE (with or without DHCP), RIP-1, RIP-2, ADSL, Ethernet 1TR6, DSS1 (Euro ISDN), PPP, X75, HDLC, ML-PPP, V.110/GSM/HSCSD ata transmission in cellular networks upported standards GPRS, EDGE, UMTS, HSxPA, HSPA+, LTE Band 1 (2100 MHz), band 3 (1800 MHz), band 7 (2600 MHz), band 8 (900 MHz). band 20 (FDD800 MHz) with MIMO UMTS/HSxPA/HSPA+ Band 1 (2100 MHz), band 8 (900 MHz) with diversity GSM 900 (900 MHz), DCS 1800 (1800 MHz), PCS 1900 (1900 MHz) Maximum transmission +24 dBm For the declaration of conformity, see the product page on our website www.lancom-systems.eu Hardware Quick Reference (DE/EN), Installation Guide (DE/EN/FR/ES/IT/PT/NL) Manual Magement software (LANconfig, LANmonitor, LANCAPI) and LCOS documentation 1 Ethernet cable, 3m (kiwi-colored connectors) 1 ADSL cable, 3m (dark-blue connectors) 1 ISDN cable, 3m (light-blue connectors) Two 2dBi dipole UMTS/GPRS antennas (850–960 Mhz and 1700–2220 Mhz) All-IP adapter (only in the EU version)

Specific device properties are not available to LANCOM CC devices operating in CC mode according to the "Operational

bayonet, LANCOM item no. 110723

External power adapter (230 V), NEST 12 V/1.5 A DC/S, coaxial power connector 2.1/5.5 mm

This product contains separate modem firmware with open-source software components. These are subject to their own licenses, in particular the General Public License (GPL). The license text for the modem firmware is available on the data medium supplied. If the respective license demands, the source files for the corresponding software components will be made available on a download server upon request. License information for the device firmware (LCOS) is available in the file LCOS-Licenses.txt on the data medium supplied.