## SECURE, NETWORKS.



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 > In case of wall

mounting, use the drilling template as supplied



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







## Power When connecting the supplied cellular

2

--@-+

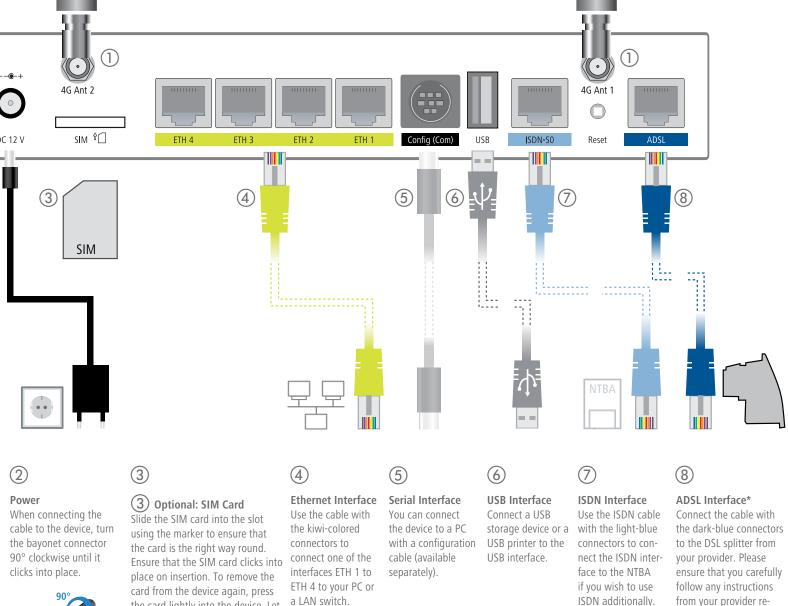
 $\bigcirc$ 

DC 12 V

antennas onto the the bayonet connector connectors 4G Ant 2 90° clockwise until it and 4G Ant 1. clicks into place.



Use only the supplied power adapter.



the card lightly into the device. Let a LAN switch. go to release the SIM card from the slot.

When working with separately purchased antennas, please ensure you do not exceed the maximum

Antennas are only to be attached or changed when the device is switched off. Mounting or demountin

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

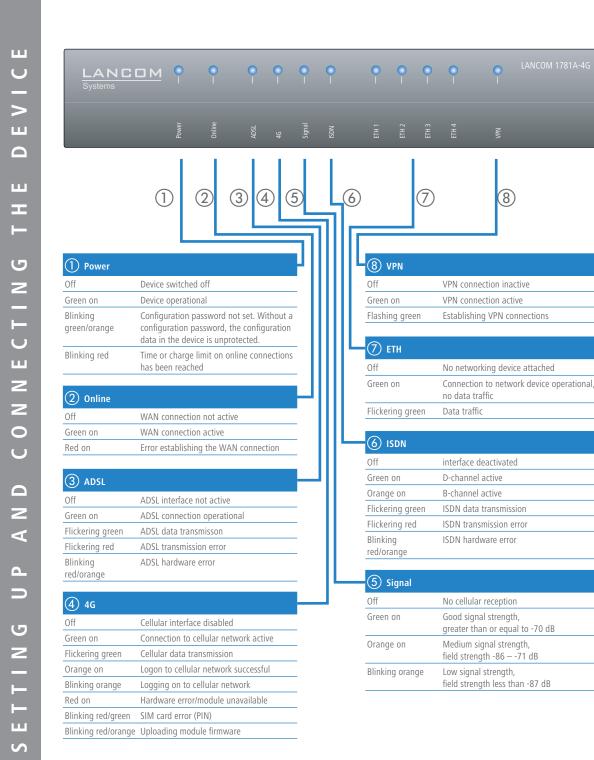
LANCOM

**LANCOM 1781A-4G** 

Quick Reference Guide

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.



Hardware	
Power supply	12 V DC, e
Power consumption	Max. ca. 1
Environment	Temperatu
Housing	Robust syr
	measures
Number of fans	None; fanl
Interfaces	
ADSL	> Complia
	as per l
	<ul><li>A/Anne</li><li>Support</li></ul>
ETH	4 individua
LIII	can be cor
	LCOS confi
USB	USB 2.0 H
	(COMport
ISDN	ISDN S <sub>o</sub> bu
Serial interface	Serial conf
	9,600-115
	Supports in
4G: Ant 1, Ant 2	Two SMA
	COM AirLa the restrict
	the antenr
WAN protocols	
ADSL, Ethernet	PPPoE, Mu
.,	RIP-2, VLA
	IP(v6)oE (a
ISDN	1TR6, DSS
Data transmission in	
Supported standards	GPRS, EDG
LTE	Band 1 (21
	band 20 (F
UMTS/HSxPA/HSPA+	Band 1 (2
EDGE/GPRS	GSM 900 (
Maximum transmission power	+24 dBm
Declaration of confo	rmity
	THILLY
For the declaration of c	
For the declaration of c Package content	onformity, s
For the declaration of c Package content Manual	onformity, s Hardware
For the declaration of c Package content	
For the declaration of c Package content Manual DVD	Hardware Data stora LCOS docu
For the declaration of c Package content Manual	onformity, s Hardware Data stora
For the declaration of c Package content Manual DVD	Hardware Hardware Data stora LCOS docu 1 Ethernet
For the declaration of c Package content Manual DVD Cable	Hardware Data stora LCOS docu 1 Ethernet ISDN cable
For the declaration of c Package content Manual DVD Cable Antenna	Hardware Data stora LCOS docu 1 Ethernet ISDN cable Two 2dBi All-IP adag
For the declaration of c Package content Manual DVD Cable Antenna Adapter	Hardware Data stora LCOS docu 1 Ethernet ISDN cable Two 2dBi All-IP adag External p bayonet,
For the declaration of c Package content Manual DVD Cable Antenna Adapter	Hardware Data stora LCOS docu 1 Ethernet ISDN cable Two 2dBi All-IP adag External p

oser duidance .
This product contains separate mo
own licenses, in particular the Gen
data medium supplied. If the respe
will be made available on a downl

removed when the device is switch

with the device switched on may o

the destruction of the 4G module!

xternal power adapter (230 V) with bayonet connector to secure against disconnection 2.5 W

ure range 5–40 °C; humidity 0–95 %, non-condensing

nthetic housing, rear connectors, ready for wall mounting, Kensington lock; 210 x 45 x 140 mm (W x H x D)

ess design, no rotating parts, high MTBF

iant to: ADSL2+ as per ITU G.992.5 Annex A/Annex B/Annex J/Annex M, ADSL2 ITU G.992.3 Annex A/Annex B/Annex J/Annex M, ADSL as per ITU.G.992.1 Annex nex B

rts one virtual ATM circuit (VPI, VCI pair) at a time

l 10/100/1000 Mbps Gigabit Ethernet ports in switch-mode by default; up to three figured as additional WAN ports. Ethernet ports can be electrically disabled within iguration.

-Speed host port for connecting USB printers (USB print server), serial devices servers), USB data media (FAT file system), or supported UMTS USB modems

figuration interface / COM port (8-pin Mini-DIN):

,000 baud, suitable for optional connection of analog/GPRS modems.

nternal COM-port server and transparent asynchronous serial-data transfer via TCP.

connectors for the supplied dipole rod antennas (LTE, UMTS, Edge), compatible LANancer Extender antennas for 4G or 3G, or from other manufacturers. Please respect tions which apply in your country when setting up an antenna system (in particular a gain and transmission power).

Ilti-PPPoE, ML-PPP, PPTP (PAC or PNS) and IPoE (with or without DHCP), RIP-1, N, GRE, L2TPv2 (LAC or LNS), IPv6 over PPP (IPv6 and IPv4/IPv6 dual stack session), autoconfiguration, DHCPv6 or static)

(Euro ISDN), PPP, X75, HDLC, ML-PPP, V.110/GSM/HSCSD

GE, UMTS, HSxPA, HSPA+, LTE

00 MHz), band 3 (1800 MHz), band 7 (2600 MHz), band 8 (900 MHz),

FDD800 MHz) with MIMO

00 MHz), band 8 (900 MHz) with diversity

900 MHz), DCS 1800 (1800 MHz), PCS 1900 (1900 MHz)

see the product page on our website www.lancom-systems.eu

Quick Reference (DE/EN), Installation Guide (DE/EN)

ge device with magement software (LANconfig, LANmonitor) and mentation

cable, 3m (kiwi-colored connectors); 1 ADSL cable, 3m (dark-blue connectors); , 3m (light-blue connectors)

dipole UMTS/GPRS/LTE antennas (850–960 Mhz and 1700–2220 Mhz)

pter (only in the EU version)

ower supply adapter (230 V), NEST 12 V/1.5 A DC/S, barrel connector 2.1/5.5 mm

item no. 110723 or 111301 (EU, 230V); item no. 110829 or 111302 (UK, 230V)

vailable to LANCOM CC devices operating in CC mode according to the "Operational  $\exists \overline{a}$ 

dem firmware with open-source software components. These are subject to their neral Public License (GPL). The license text for the modem firmware is available on the pective license demands, the source files for the corresponding software components nload server upon request. License information for the device firmware (LCOS) is availa ble in the file LCOS-Licenses.txt on the data medium supplied.