

LANCOM 1781EF

Quick Reference Guide





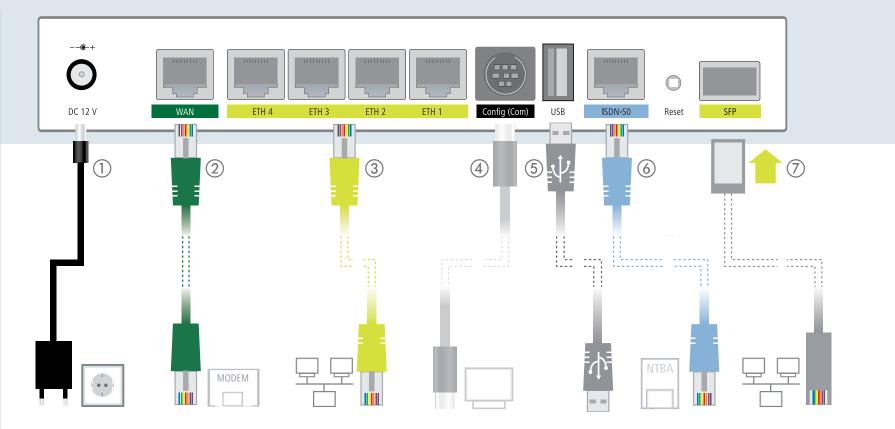
Please observe the following when setting up the device

- For devices to be operated on the desktop, please attach the adhesive rubber footpads
- Do not rest any objects on top of the device
- Do not obstruct the side ventilation slots
- In case of wall mounting, use the drilling template as supplied



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





1 Power

cable to the device, turn the bayonet connector 90° your WAN modem. clockwise until it clicks into place.



Use only the supplied power adapter.

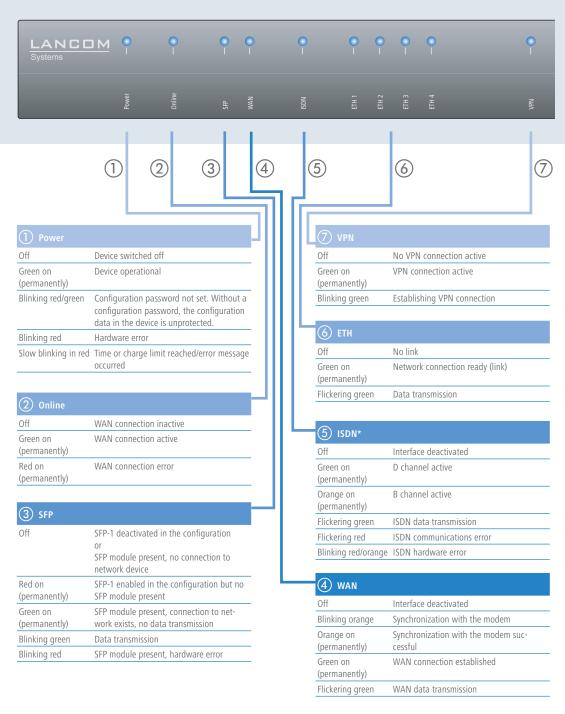
2 WAN

When connecting the Use the cable with the Use the cable with the configuration cable Connect a USB data terfaces ETH1 to ETH4 to configuration (cable sold cable not supplied your PC or a LAN switch. separately).

(4) Optional: Serial (5) Optional: USB

(6) ISDN cable*

Use the ISDN cable with Insert a suitable SFP module (e.g. green connectors to congreen-colored connectors Connects the device and medium or a USB printer the light-blue connectors 1000Base-SX or 1000Base-LX) into nect the WAN interface to to connect one of the in- a PC for carrying out the to the USB interface. USB to connect the ISDN in- the socket. Choose the cable with terface to the NTBA if you wish to use ISDN in addi wish to use ISDN in addidescribed in the SFP module's documentation. The SFP module and the associated connector cable are not supplied.



| Power supply | 12 V DC, external power adapter (110 or 230 V) with bayonet connector to secure against disconnection |
|----------------------|---|
| Power consumption | Max. ca. 7.5 W |
| Environment | Temperature range 5 – 40 °C; humidity 0 – 95%; non-condensing |
| Housing | Robust synthetic housing, rear connectors, ready for wall mounting, Kensington lock; mea $210 \times 45 \times 140 \text{ mm}$ (W x H x D) |
| Number of fans | None; fanless design, no rotating parts, high MTBF |
| Interfaces | |
| WAN | 10/100/1000 Mbps Gigabit Ethernet |
| ETH | 4 individual 10/100/1000-Mbps Fast Ethernet ports; operate as switch ex-factory. Up to 3 can be switched as additional WAN ports. Ethernet interfaces can be completely electrical disabled in the LCOS configuration |
| USB | USB 2.0 Hi-Speed host port for connecting USB printers (USB print server), serial devices (COM-port servers), USB data media (FAT file system), or supported UMTS USB modems |
| ISDN* | ISDN-S ₀ bus |
| SFP | Socket for small form-factor pluggable Gigabit-Ethernet transceiver (mini-GBIC). Compatible with optional LANCOM SFP modules for optical connections over short distance (SX) or longer distances (LX). Set as a LAN port ex-factory, can be configured as a WAN po |
| 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 provides transparent asynchronous serial-data transmission TCP |
| WAN protocols | |
| Ethernet | PPPoE, Multi-PPPoE, ML-PPP, PPTP (PAC or PNS) and IPoE (with or without DHCP), RIP-1, RIP-2, VLAN, IP |
| Declaration of confo | prmity |
| CE | EN 55022, EN 55024, EN 60950 |
| FCC | FCC Class B Part 15 |
| Package content | |
| Manual | Hardware Quick Reference (DE/EN), Installation Guide (DE/EN/FR/ES/IT/PT/NL), FCC Documentation (only US-Version) |
| CD/DVD | CD/DVD with firmware, management software (LANconfig, LANmonitor) and documentation |
| Cable | 2 Ethernet cables, 3m (LAN: kiwi-colored connector; WAN: green connector) |
| Cable* | ISDN cable, 3 m |
| Power adapter | External power supply adapter, NEST 12 V/1.5A DC/S, barrel connector 2.1/5.5 mm bayone LANCOM item no. 110723 (EU, 230 V), LANCOM item no. 110829 (UK, 230 V), LANCOM item no. 111007 (US, 110 V) |

License information for the device firmware (LCOS) is available in the file LCOS-Licenses.txt on the data medium sup-

