LANCOM 7100+ VPN
LANCOM 9100+ VPN

Quick Reference Guide

. . . c o n n e c t i n g   y o u r   b u s i n e s s
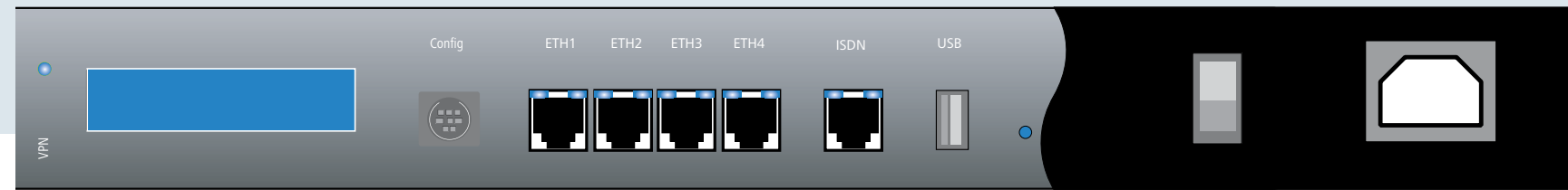
LANCOM
Systems

Please observe the following when setting up the device

- Mount the device into a 19" unit in a server cabinet.
- For devices to be operated on the desktop, please attach the adhesive rubber footpads
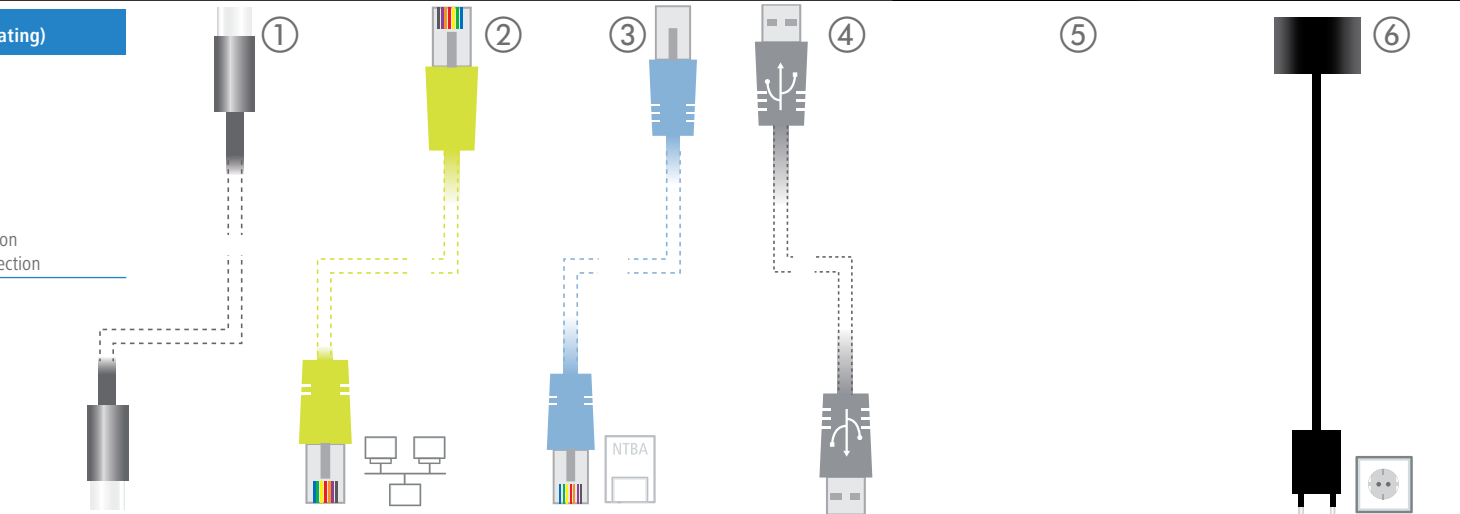- Do not rest any objects on top of the device
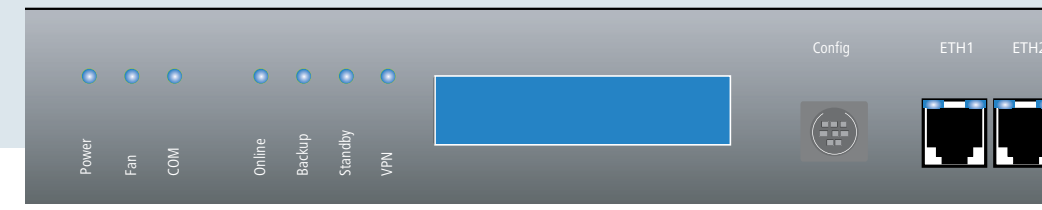- Ensure that the ventilation slots at the back remain unobstructed

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Config   ETH1 ETH2 ETH3 ETH4   ISDN   USB

VPN

LCD display (in two lines, rotating)
- Device name
- Firmware version
- Device temperature
- Date and time
- CPU load
- Memory usage
- Number of VPN tunnels
- Data transfer in reception direction
- Data transfer in transmission direction

① ② ③ ④ ⑤ ⑥

① Serial configuration cable
You can connect the device to a PC with a configuration cable.

② LAN
Use the cable with the kiwi-colored connectors to connect one of the interfaces ETH1 to ETH4 to your PC or a LAN switch.

③ ISDN cable*
Use the ISDN cable with the light-blue connectors to connect the ISDN interface to the NTBA if you wish to use ISDN in addition.

④ Optional: USB
You can use the USB interface to connect a USB printer or a USB flash drive for device configuration.

⑤ On/off switch
Use this switch to turn the device on or off.

⑥ Power connector
Supply power to the device.
Please use the IEC power cable supplied.

⚠ Unplug the power plug from the power socket to ensure that the device is completely separated from the power supply!

Config   ETH1   ETH2

Power Fan COM   Online Backup Standby VPN

① ② ③   ④ ⑤ ⑥ ⑦   ⑧

① Power

Off	Device switched off
Green on (permanently)	Device operational
Blinking green/orange	Configuration password not set. Without a password the configuration data in the device is unprotected.
Blinking red	Charge or time limit reached

② Fan

Green on (permanently)	CPU temperature OK
Orange on (permanently)	CPU temperature > 55°
Blinking red	Hardware failure of the fan or CPU temperature > 60°; additional acoustic signal

③ COM

Off	No session logged on for the serial configuration interface
Green on (permanently)	Serial configuration session logged on
Flickering orange	Data transmission during the configuration session

④ Online

Red on (permanently)	The LANCOM WLAN controller is not yet operational; one of the following elements is missing: ■ Root certificate ■ Device certificate ■ Current time ■ Random number for the DTLS encryption
Green on (permanently)	At least one active access point connected and authenticated.
Blinking red	The device is operational but not connected to an active access point.

⑧ ETH (one green and one yellow LED each)

Green off	No networking device attached
Green on (permanently)	Connection to network device operational, no data traffic
Flickering green	Data transmission
Yellow off	1000 Mbps
Yellow on (permanently)	10/100 Mbps

⑦ VPN

Off	No VPN connection active
Green on (permanently)	VPN connection active
Blinking green	Establishing VPN connections

⑥ Standby

Off	No VRRP activated or VRRP activated and a predefined virtual router is set as Master
Green on (permanently)	All defined virtual routers are on standby
Red on (permanently)	All virtual routers are deactivated

⑤ Backup

Off	Backup is deactivated for all of the WAN connections and virtual routers.
Green on (permanently)	Backup is activated for at least one WAN connection or virtual router

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Hardware

Power supply	Internal power supply unit (110-230 V, 50-60 Hz)
Power consumption	30 W
Environment	Internal power supply unit (110–230 V, 50-60 Hz)
Housing	Internal power supply unit (110–230 V, 50-60 Hz)
Number of fans	1

Interfaces

ETH	4 individual 10/100/1000-Mbps Fast Ethernet ports; up to 3 ports can be switched as additional WAN ports with load balancing
USB	USB 2.0 full- speed host port for connecting USB printers (USB print server) or serial devices (COM port server); bi- directional data exchange is possible (max. 12 Mbps).
Config (Com)	Serial configuration interface / COM port (8 pin Mini-DIN): 9,600 - 115,000 baud, suitable for optional connection of analog/GPRS modems
ISDN*	ISDN S0 Bus

WAN protocols

Ethernet	PPPoE, Multi-PPPoE, ML-PPP, PPTP (PAC or PNS) and plain Ethernet (with or without DHCP), RIP- 1, RIP-2, VLAN, IP
ISDN*	1TR6, DSS1 (Euro- ISDN), PPP, X75, HDLC, ML-PPP, V.110/GSM/HSCSD, CAPI 2.0 over LANCAPI, Stac data compression

Declaration of conformity

CE	EN 55022, EN 55024, EN 60950
FCC	FCC Class A Part 15

Package content

Manual	Quick Reference Guide (DE, EN) and Quick Installation Guide (DE/EN/FR/ES/IT/PT/NL), FCC Documentation (only US-Version)
CD/DVD	CD with firmware, management software (LANconfig, LANmonitor, LANCAPI) and documentation
Cable	Serial configuration cable, 1.5m
Cable	2 Ethernet cables, 3m
Cable*	ISDN cable, 3m
Cable	IEC power cord

*) ISDN is not available in US version

T E C H N I C A L   D A T A