LANCOM
Systems

LANCOM 1900EF

WAN 1 · WAN 1 · WAN 2 · ETH 1 · ETH 2 · ETH 3 · ETH 4 · COM · USB

RESET

● VPN
● POWER

① ② ③ ④ ⑤

LANCOM 1900EF
Quick Reference Guide

Cloud-ready
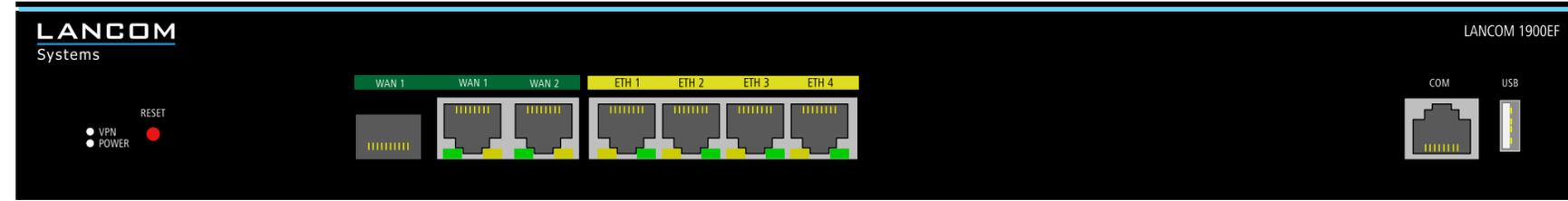
① **WAN 1 interfaces (SFP / TP combo port)**
Insert a suitable SFP module (e.g. 1000Base-SX or 1000Base-LX) into the SFP port. Choose a cable compatible with the SFP module and connect it as described in the module's documentation. SFP module and cable are not included.
If desired, alternatively connect the WAN 1 TP interface to a WAN modem using the provided Ethernet cable with green connectors.

② **WAN 2 interface (TP)**
Connect the WAN 2 interface to a WAN modem using the provided Ethernet cable with green connectors.

③ **Ethernet interface**
Use the cable with the kiwi-colored connectors to connect one of the interfaces ETH 1 to ETH 4 to your PC or a LAN switch.
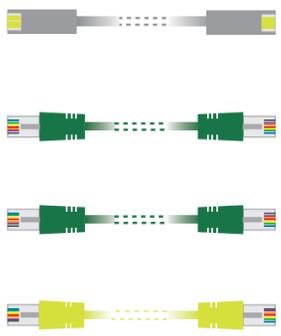
④ **Configuration interface**
Use the included serial configuration cable to connect the serial interface (COM) to the serial interface of the device you want to use for configuring / monitoring.

⑤ **USB interface**
You can use the USB interface to connect a USB printer or a USB storage device.

⑥ **Power connector and grounding point (device back side)**
Supply power to the device via the power connector. Please use the IEC power cable supplied (separately available for WW devices).

⑦ **ATTENTION:** High touch current possible! Connect to earth before connecting the power supply.

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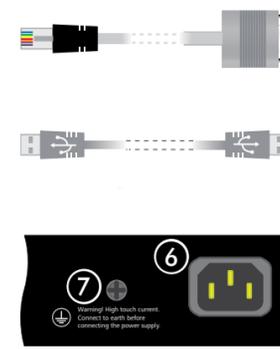
ℹ️ **Please observe the following when setting up the device**
> The mains plug of the device must be freely accessible.
> For devices to be operated on the desktop, please attach the adhesive rubber footpads.
> Do not rest any objects on top of the device and do not stack multiple devices.

> Keep the ventilation slots on the side of the device clear of obstruction.
> Mount the device into a 19" unit in a server cabinet using the provided screws and mounting brackets. Pay attention to the "R" and "L" marks on the brackets for accurate mounting.

MOUNTING AND CONNECTING THE DEVICE

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① ② ③ ④
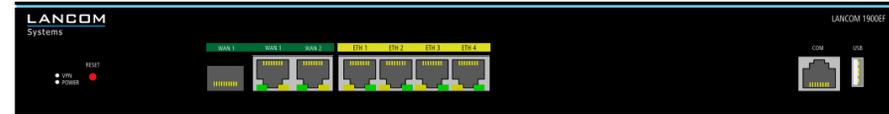
① POWER	
Off	Device switched off
Green, permanently*	Device operational, resp. device paired / claimed and LANCOM Management Cloud (LMC) accessible
Green / red, blinking	No password set. Without a password the configuration data in the device is unprotected.
Red, blinking	Charge or time limit reached
1x green inverse blinking*	Connection to the LMC active, pairing OK, device not claimed
2x green inverse blinking*	Pairing error, resp. LMC activation code not available
3x green inverse blinking*	LMC not accessible, resp. communication error

① VPN	
Off	VPN connection inactive
Green, permanently	VPN connection active
Green, flashing	VPN connecting

② RESET	
Reset button	short press > Restart the device long press > Reset the device

③ WAN 1 / WAN 2	
Green, orange off	No networking device connected
Green, permanently	Connection to network device operational, no data traffic
Green, flickering	Data transmission
Orange off	1000 Mbps
Orange, permanently	10 / 100 Mbps

④ ETH 1 - ETH 4	
Green, orange off	No networking device connected
Green, permanently	Connection to network device operational, no data traffic
Green, flickering	Data transmission
Orange off	1000 Mbps
Orange, permanently	10 / 100 Mbps

*) The additional power LED statuses are displayed in 5-seconds rotation if the device is configured to be managed by the LANCOM Management Cloud.

TECHNICAL DETAILS

Hardware	
Power supply	Internal power supply unit (100–240 V, 50-60 Hz)
Power consumption	Max. 18 W
Environment	Temperature range 0–40 °C; humidity 0–95 %; non-condensing
Housing	Robust metal housing, 1 HU with mounting brackets for 19" installation, 345 x 44 x 253 mm (W x H x D)
Number of fans	None; fanless design, no rotating parts, high MTBF

Interfaces	
WAN 1 / WAN 2	WAN 1 SFP: Compatible with optional LANCOM SFP modules. Set as a WAN port ex-factory, can be configured as a LAN port. WAN 1 / WAN 2 TP: 10 / 100 / 1000 Base-TX, autosensing full duplex (WAN 1) / autosensing (WAN 2), auto node hub
ETH1 - ETH 4	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.
Config (Com) / V.24	Serial configuration interface / COM-port: 9,600 - 115,200 baud
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)

WAN protocols	
Ethernet	PPPoE, Multi-PPPoE, ML-PPP, PPTP (PAC or PNS) and IPoE (with or without DHCP), RIP-1, RIP-2, VLAN, GRE, EoGRE, L2TPv2 (LAC or LNS), IPv6 over PPP (IPv6 and IPv4/IPv6 dual stack session), IPv6oE (autoconfiguration, DHCPv6 or static)

Declaration of Conformity	
	Hereby, LANCOM Systems declares that this device is in compliance with Directives 2014/30/EU and 2014/35/EU. The full text of the EU declaration of conformity is available at the following internet address: www.lancom-systems.com/ce/

Package content	
Documentation	Quick Reference Guide (DE/EN), Installation Guide (DE/EN)
Cables	1 Ethernet cable, 3 m (kiwi colored connectors); 1 Ethernet cable, 3 m (green connectors); 1 IEC power cord 230 V (not for WW devices)
Mounting brackets	Two 19" brackets for rack mounting