LANCOM
Systems

WAN 1   WAN 1   WAN 2   ETH 1   ETH 2   ETH 3   ETH 4          COM      USB
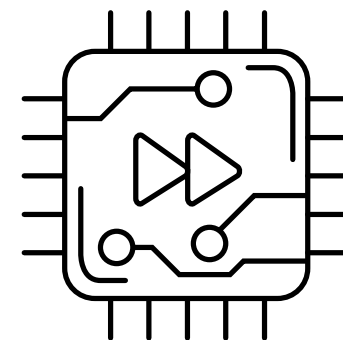
LANCOM 1900EF

RESET
○ VPN
○ POWER

① ② ② ③ ④ ⑤ ⑥

# Hardware Quick Reference

# LANCOM 1900EF
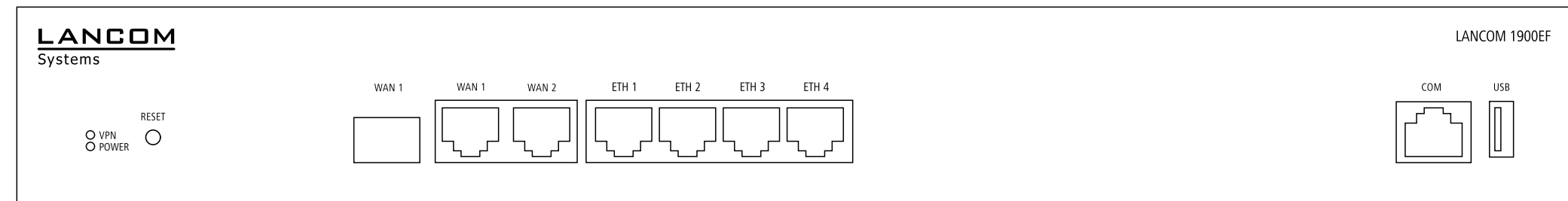
**① Reset button**
short press > Restart the device
long press > Reset the device

**② 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.

**③ WAN 2 interface (TP)**
Connect the WAN 2 interface to a WAN modem using the provided Ethernet cable with green connectors.

**④ 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.

RESET
○
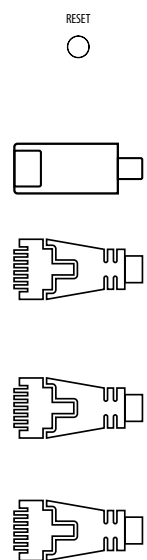
**⑤ Configuration interface**
To configure the device via the serial interface, a serial configuration cable is required (available as an accessory).

**⑥ USB interface**
You can use the USB interface to connect a USB printer or a USB storage device.

**⑦ Power connector and grounding point**
**⑧ (device back side)**
Supply power to the device via the power connector. Please use the IEC power cable supplied (separately available for WW devices).

**ATTENTION:** High touch current possible! Connect to earth before connecting the power supply.
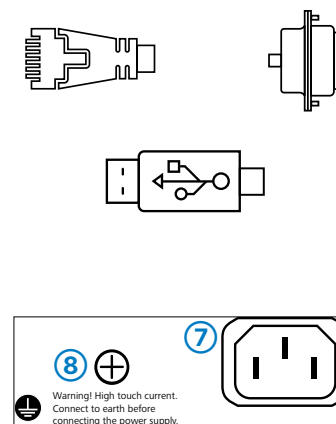
⑧ ⊕ Warning! High touch current. Connect to earth before connecting the power supply. ⑦

ⓘ

**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 all ventilation slots 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.

LANCOM
SYSTEMS

Cloud-ready

---

## Mounting & connecting

LANCOM
Systems

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

LANCOM 1900EF

① ② ② ③

### LED description & technical details

**① VPN / POWER**

**VPN**

| | |
|---|---|
| Off | VPN connection inactive |
| Green, permanently | VPN connection active |
| Green, flashing | VPN connecting |

**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 reachable resp. communication error |

**② 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 |

**③ 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 |

**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 × 44 × 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), IP(v6)oE (autoconfiguration, DHCPv6 or static) |

**Package content**

| | |
|---|---|
| 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 |

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