MAIN   MIMO1   MIMO2   AUX

LANCOM
Systems   LANCOM 1900EF-5G

WAN 1   WAN 1   WAN 2   ETH 1   ETH 2   ETH 3   ETH 4

RESET   COM   USB
5G
VPN
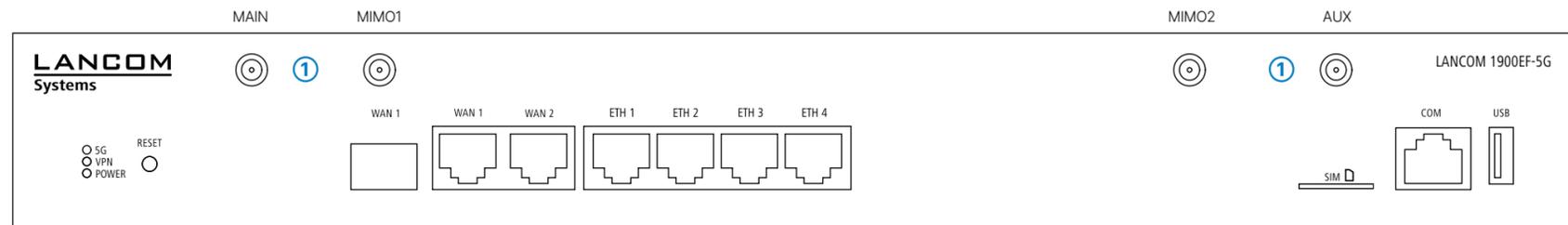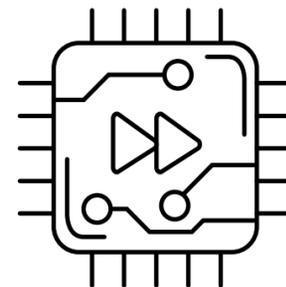POWER   SIM

Hardware Quick Reference

LANCOM 1900EF-5G

① 5G antenna connectors
Connect the supplied cellular antennas to the connectors MAIN / AUX or MIMO1 / MIMO2 at the front of 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 modulel 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)
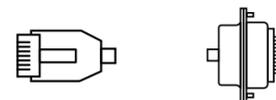Connect the WAN 2 interface to a WAN modem using the provided Ethernet cable with green connectors.

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.

⑤ SIM card slot
Slide the SIM card into the SIM card slot using the marker to ensure that the card is the right way round. Ensure that the SIM card clicks into place on insertion. To remove the card from the device, press the card lightly into the device. Then let go to release the SIM card from the slot.
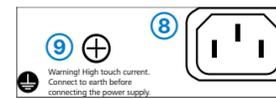
⑥ Configuration interface
Use the included serial configuration cable to connect the serial interface (COM) to the serial interface of the device you want to use for configuring / monitoring.

⑦ USB interface
You can use the USB interface to connect a USB printer or a USB storage device.

⑧ 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).

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

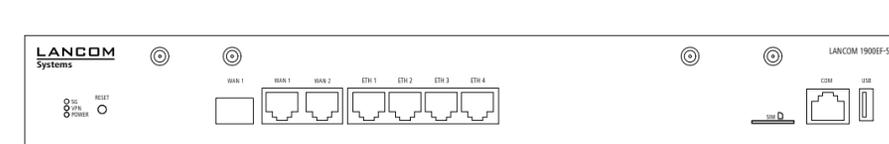⑨ Warning! High touch current. Connect to earth before connecting the power supply.

Before initial startup, please make sure to take notice of the information regarding the intended use in the enclosed installation guide!

Operate the device only with a professionally installed power supply at a nearby power socket that is freely accessible at all times.

Please observe the following when setting up the device
→ The power 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
→ Keep all 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.
→ Please note that support service for third-party accessories is excluded.

LANCOM
SYSTEMS   Cloud-ready

Mounting & connecting

LANCOM
Systems   LANCOM 1900EF-5G

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

① ②   ③   ④

① 5G / VPN / POWER

5G

Off	Cellular interface disabled
Green,permanently	Connection to cellular network active
Green, flickering	Cellular data transmission
Orange, permanently	Logon to cellular network successful
Orange, blinking	Logging on to cellular network
Red, permanently	Hardware error / module unavailable
Red / green, blinking	SIM card error (PIN)
Red / orange, blinking	Uploading module firmware

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 accessible, resp. communication error

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.

LED description & technical details

Hardware

Power supply	Internal power supply unit (100–240 V, 50–60 Hz)
Power consumption	Max. 27 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	1 quiet fan

Interfaces

WAN 1 / WAN 2 ETH 1 - ETH 4 Config (COM) / V.24 USB 5G	Detailed interface specifications can be found in the device data sheet after entering the device name at www.lancom-systems.com/downloads.

Data transmission in cellular networks - supported standards and power (dBm)

LTE / LTE Advanced	Band 1: 24.0; band 3: 24.8; band 7: 24.8; band 8: 24.0; band 20: 24.0; band 34: 24.0; band 38: 24.8; band 40: 24.8; band 42: 24.8
5G NR	n1: 24.0; n3: 24.0; n28: 24.0; n41: 24.0; n77: 24.5; n78: 24.5

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)
Antennas	4 5G / 4G antennas for 5G / LTE
Mounting brackets	2 19" brackets for rack mounting