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LANCOM SYSTEM 1800EF High Availability Networking Via 5G



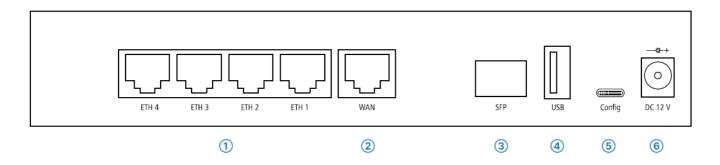
• Product: LANCOM 1800EF

Interfaces: Ethernet, WAN, SFP, USB, Serial, USB-C

• Power Supply: Supplied power adapter

Additional: LED indicators for status monitoring

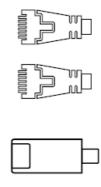
Mounting & Connecting:



Ethernet Interfaces: Use the cable with kiwi-colored connectors to connect ETH 1 to ETH 4 to your PC or LAN switch.

WAN Interface: Use the cable with green connectors to connect the WAN interface to your WAN modem.

SFP Interface: Insert a suitable LANCOM 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 SFP module's mounting instructions. www.lancom-systems.com/SFP-module-MI The SFP module and cable are not included.



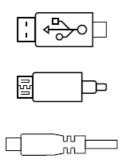
USB Interface: Connect a USB data medium or printer to the USB interface using a suitable cable (not supplied).

Serial USB-C Configuration Interface: Use a USB-C cable for optional device

configuration on the serial console (cable not included).

Power Supply

Use only the supplied power adapter. Ensure a professionally installed power supply at a nearby accessible power socket. The power plug must remain freely accessible at all times.



- 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.
- The power plug of the device must be freely accessible.
- Please note that support for third-party accessories is not provided.

Please observe the following when setting up the device

- When setting up on the table, use the enclosed self-adhesive rubber pads, if applicable.
- 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.
- Rack installation with the optional LANCOM Rack Mount / Rack Mount Plus (separately available)

Setting Up

- Use self-adhesive rubber pads when setting up on a table.
- Do not stack multiple devices or place objects on top of the device.
- Keep all ventilation slots clear of obstructions.

Rack Installation

- Rack installation is possible with the optional LANCOM Rack
- Mount/Rack Mount Plus (sold separately).

Red, blinking

LED Description & Technical Details:

| LANCOM Systems | 0 | 0 | 0 0 | 0 0 0 0 | 0 | LANCOM 1800EF |
|-------------------|-------|----------------------------|-------------|--|-----|---------------|
| | Power | Online | SFP WAN | ETH 1 ETH 2 ETH 3 | VPN | O Reset |
| | Α | В | C D | E | F | G |
| | | A Power | r | | | |
| | | | | Device switched off | | |
| | | Off Green, permanently* | | | | |
| | | | | Device operational, resp. device paired / claimed and LANCOM Management Cloud (LMC) accessible | | |
| | | | n, blinking | Configuration password not set. Without a configuration password, the configuration data in the device is unprotected. | | |
| | | Red, blinking | | Hardware error | | |
| | | Red, blinki | ing slowly | Time or charge limit reached/error message occurred | | |
| | | 1x green ir blinking* | nverse | Connection to the LMC active, pairing OK, device not claimed | | |
| | | 2x green i blinking* | nverse | Pairing error, resp. LMC activation code not available | | |
| | | 3x green i blinking* | nverse | LMC not accessible, resp. communication error | | |
| | | B Online | е | | | |
| | | Off | | WAN connection inactive | | |
| | | Green, blir | nking | WAN connection is established (e.g. PPP negotiation) | | |
| | | Green, pe | rmanently | WAN connection active | | |
| | | Red, perm | anently | WAN connection error | | |
| | | C SFP | | | | |
| | | Off | | SFP deactivated in the configuration or SFP module present, no connection to network device | | |
| | | Red, perm | anently | SFP enabled in the configuration but no SFP module present | | |
| | | Green, pe | rmanently | SFP module present, connection to network exists, no data transmission | | |
| | | Green, blir | nking | Data transmission | | |
| | | | | 050 | | |

SFP module present, hardware error

| | Green, permanently | Network connection ready (link) | | | |
|-------------------------|--|--|--|--|--|
| | | | | | |
| | Green, flickering | Data transmission | | | |
| | E ETH1 - ETH4 | | | | |
| | Off | No connection (no link) | | | |
| | Green, permanently | Network connection ready (link) | | | |
| | Green, flickering | Data transmission | | | |
| | F VPN | | | | |
| | Off | No VPN connection active | | | |
| | Green, permanently | VPN connection active | | | |
| | Green, blinking | Establishing VPN connection | | | |
| | G Reset | | | | |
| | Pressed up to 5 seconds | device restart | | | |
| | Pressed until first flashing up of all LEDs | configuration reset and device restart | | | |
| Hardware | | | | | |
| Power supply | 12 V DC, external power adapter For an overview of the power supplies compatible with your device, see www.lancom-systems.com/kb/power-supplies. | | | | |
| Environment | Temperature range 0 - | 40 °C; humidity 0 – 95 %; non-condensing | | | |
| Housing | Robust synthetic housing, rear connectors, ready for wall mounting, Kensington lock; (W x H x D) 210 × 45 × 140 mm | | | | |
| Fan | 1 quiet fan | | | | |
| Interfaces | | | | | |
| WAN | 10 / 100 / 1000 Mbps Gi | gabit Ethernet | | | |
| ETH | 4 individual 10 / 100 / 1000-Mbps Fast Ethernet ports; operate as switch ex-factory. Up to 3 ports can be switched as additional WAN ports. | | | | |
| USB | USB 2.0 Hi-Speed host port for connecting USB printers (USB print server), serial devices (COMport servers), or USB data media (FAT file system) | | | | |
| SFP | Socket for small form-factor pluggable Gigabit-Ethernet transceiver (mini-GBIC). Compatible with optional LANCOM SFP modules for optical connections. Set as a LAN port ex-factory, can be configured as a WAN port. | | | | |
| Configuration interface | Serial USB-C configuration interface | | | | |
| WAN protocols | | | | | |
| Ethernet | PPPoE, Multi-PPPoE, PF | PTP (PAC or PNS) and IPoE (with or without DHCP) | | | |
| Package content | | | | | |
| Cable | 2 Ethernet cables, 3m (| LAN: kiwi-colored connector; WAN: green connector) | | | |
| Power adapter | External power adapter | | | | |

D WAN

Power Off: Green (permanently), Red/Green (blinking), Red (blinking slowly)

Online: Green (blinking), Green (permanently), Red (permanently)

SFP: Off, Red (permanently), Green (permanently), Green (blinking), Red (blinking)

- The additional power LED statuses are displayed in a 5-second rotation if the device is configured to be managed by the LANCOM Management Cloud.
- This product contains separate open-source software components which are subject
 to their own licenses, in particular the General Public License (GPL). The license
 information for the device firmware (LCOS) is available on the device's WEBconfig
 interface under "Extras > License information". If the respective license demands, the
 source files for the corresponding software components will be made available on a
 download server upon request.

Hereby, LANCOM Systems GmbH | Adenauerstrasse 20/B2 | D-52146 Werselen declares that this device complies with Directives 2014/30/EU, 2014/35/EU, 2011/65/EU, and Regulation (EC) No. 1907/2006. The full text of the EU Declaration of Conformity is available at the following Internet address: www.lancom-systems.com/doc

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Frequently Asked Questions

Q: Can I use third-party accessories with LANCOM 1800EF?

A: No, support for third-party accessories is not provided. It is recommended to use only compatible LANCOM accessories.

Q: What should I do if the LED indicators show a hardware error?

A: If the LED indicators display a hardware error, refer to the user manual for troubleshooting steps. If the issue persists, contact LANCOM Systems customer support for assistance.

Documents / Resources



LANCOM SYSTEM 1800EF High Availability Networking Via 5G [pdf] Use

r Guide

62125, 0624, 1800EF High Availability Networking Via 5G, 1800EF, High Availability Networking Via 5G, Availability Networking Via 5G, Networking Via 5G

References

- L Confluence Mobile LANCOM Wissensdatenbank
- L Business-Netzwerklösungen "Engineered in Germany": LANCOM Systems GmbH
- User Manual
- LANCOM

SYSTEM

• 0624, 1800EF, 1800EF High Availability Networking Via 5G, 62125, Availability Networking Via 5G, High Availability Networking Via 5G, LANCOM SYSTEM, Networking Via 5G

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