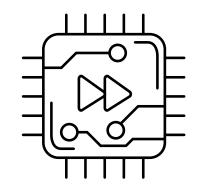
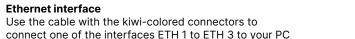
Hardware Quick Reference LANCOM 1640E



WAN interface

or a LAN switch.

Connect the WAN interface to your WAN modem using the enclosed ethernet cable with the dark green connectors.



Configuration interface

Configuring the device via the serial interface requires a serial configuration cable (available as an accessory).

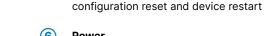












printer or a USB storage device.

Pressed up to 5 seconds: device restart

Pressed until first flashing up of all LEDs:

USB interface

Reset button

When connecting the cable to the device, turn the bayonet connector 90° clockwise until it clicks into Use only the supplied power adapter.

You can use the USB interface to connect a USB



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DC 12 V



1 Power Device switched off Green, permanently* Device operational, resp. device paired / claimed and LANCOM Management Cloud (LMC) Red / green, blinking Configuration password not set. Without a configuration password, the configuration data in the device is unprotected. Red, blinking Hardware error Red, blinking slowly Time or charge limit reached/error message occurred Connection to the LMC active, pairing OK, device not claimed 2x green inverse Pairing error, resp. LMC activation code not available 3x green inverse LMC not accessible, resp. communication error 2 Online WAN connection inactive WAN connection is established (e.g. PPP negotiation) Green, permanently WAN connection active Red, permanently WAN connection error

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③ WAN	
Off	Interface deactivated
Orange, blinking	Synchronization with the modem
Orange, permanently	Synchronization with the modem successful
Green, permanently	WAN connection established
Green, flickering	WAN data transmission
Red / orange, blinking	Hardware error, ext. modem
4 ETH	
Off	No link
Green, permanently	Network connection ready (link)
Green, flickering	Data transmission
5 VPN	
Off	No VPN connection active
Green, permanently	VPN connection active
Green, blinking	Establishing VPN connection

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Hardware

	disconnection	
Power consumption	on Max. 8.5 W	
Environment	Temperature range 0 – 40 °C; humidity 0 – 95 %; non-condensing	
Housing	Robust synthetic housing, rear connectors, ready for wall mounting, Kensington lock; measures 210 \times 45 \times 140 mm (W \times H \times D)	
Number of fans	None; fanless design, no rotating parts, high MTBF	
Interfaces		
WAN	10 / 100 / 1000 Mbps Gigabit Ethernet	
ETH	3 individual 10 / 100 / 1000 Mbps Gigabit Ethernet ports; ex-factory operation as switch. One port configured as WAN port. The ports can be electrically disabled in the LCOS configuration and support energy saving functionality as per IEEE 802.3az.	
USB	USB 2.0 Hi-Speed host port for connecting USB printers (USB print server), serial devices (COM-port servers), or USB data media (FAT file system)	
Serial Interface	Serial configuration interface / COM port (8-pin Mini-DIN): 9,600 - 115,000 baud, suitable for optional connection of analog / GPRS modems. Supports internal COM-port server and provides transparent asynchronous serial data transmission via TCP	
WAN protocols		
Ethernet	PPPoE, Multi-PPPoE, ML-PPP, PPTP (PAC or PNS) and IPoE (with or without DHCP), RIP-1, RIP-2, VLAN, IP	
Package conten	t	
Cable	2 Ethernet cables, 3m	
Power adapter	External power adapter 12 V / 2 A DC/S, barrel connector 2.1 / 5.5 mm bayonet, LANCOM item no. 111303 (not for WW devices)	

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.
- → 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
- → In case of wall mounting, use the drilling template as supplied
- → Rack installation with the optional LANCOM Rack Mount (separately available)
- → Please note that support service for third-party accessories is excluded.

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.

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



