

LANCOM ISG-8000

Quick Reference Guide

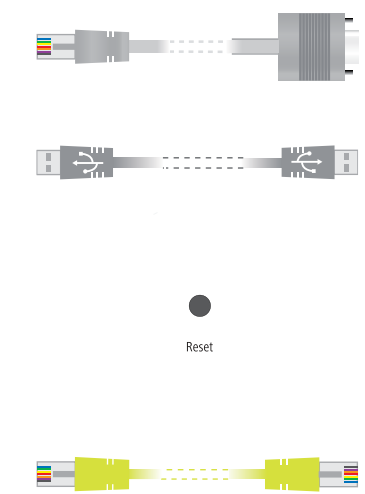


LANCOM
Systems

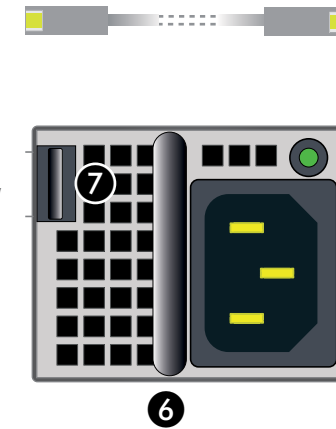


- ① **Serial configuration interface**
Use the included serial configuration cable to connect the serial interface (COM) to the serial interface of the device you want to use for configuring / monitoring.
- ② **USB interfaces**
You can use the USB interfaces to connect USB printers or USB storage devices.
- ③ **Reset button**
Pressed up to 5 seconds: device restart

Pressed longer than 5 seconds: configuration reset and device restart
- ④ **TP Ethernet interfaces**
Connect the ETH 1 - ETH 8 TP Ethernet interfaces to your PC or a LAN switch using one of the enclosed cables with the kiwi-colored connectors.



- ⑤ **SFP+ interfaces (10G / 1G)**
Insert suitable SFP modules into the SFP ports ETH 9 - ETH 10. Choose cables compatible with the SFP modules and connect them as described in the module's documentation. SFP modules and cables are not included.
- ⑥ **Power supply modules (device back side)**
Supply power to the device via the power supply modules connectors. Please use the IEC power cable supplied (separately available for WW devices).
- ⑦ **Removing the power supply modules**
To remove a power supply module from the device move the release lever to the right and pull out the modules using the handle.

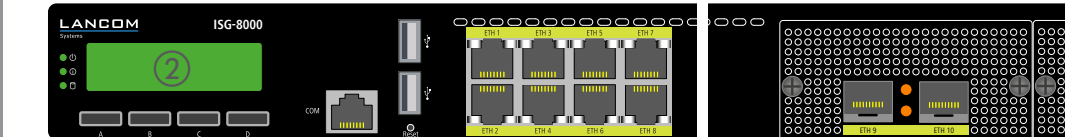


Please observe the following when setting up the device

- > 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 rails.

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.
Detailed mounting instructions can be found under www.lancom-systems.com in the product area for this device under 'downloads'.

MOUNTING AND CONNECTING THE DEVICE



- ①
- ③
- ④
- ⑤

① Power- / Status- / HDD LEDs

Power: off	Device switched off
Power: green, permanently	Device operational
Status: green, permanently*	Device operational, resp. device paired / claimed and LANCOM Management Cloud (LMC) accessible
Status: green / red, blinking	No password set. Without a password the configuration data in the device is unprotected.
Status: red, blinking	Charge or time limit reached
Status: 1x green, inverse blinking*	Connection to the LMC active, pairing OK, device not claimed
Status: 2x green, inverse blinking*	Pairing error, resp. LMC activation code not available
Status: 3x green, inverse blinking*	LMC not accessible, resp. communication error
HDD: off	no HDD read- / write access
HDD: green, flickering	HDD read- / write access

② LCD display (rotating in two lines)

- > Device name
- > Firmware version
- > Device temperature
- > Date and time
- > CPU load
- > Memory usage
- > Number of VPN tunnels
- > Data transfer in reception direction
- > Data transfer in transmission direction

③ Display buttons A - D

All buttons are fully configurable

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

④ ETH 1 - ETH 8 - TP (one green and orange LED each)

Both LEDs off	No networking device attached
Green, permanently	Connection to network device operational, no data traffic
Green, flickering	Data transmission
Orange off	1000 Mbps
Orange, permanently	100 Mbps

⑤ ETH 9 - ETH 10 - SFP+ (one orange LED each)

Off	No networking device attached
Orange, permanently	Connection to network device operational, no data transmission
Orange, flickering	Data transmission

Hardware	
Power supply	Redundant power supply units (110–230 V, 50–60 Hz)
Power consumption	300 W
Environment	Temperature range 5–40 °C; humidity 0–95 %; non-condensing
Housing	Robust metal housing, 19" 1HU, network connectors on the front
Number of fans	4
Interfaces	
ETH	8x 100 / 1000 Mbps Gigabit Ethernet combo ports (ETH 1 - ETH 8)
SFP+	2x 10G SFP+ ports 10 / 1 Gbps (ETH 9 - ETH 10)
USB	2x USB 2.0 Hi-Speed host port for connecting USB printers (USB print server) or USB data media (FAT file system); bi-directional data exchange is possible (max. 480 Mbps)
Serial Interface	Serial configuration interface (RJ45)
WAN protocols	
Ethernet	PPPoE, Multi-PPPoE, ML-PPP, PPTP (PAC or PNS) and plain Ethernet (with or without DHCP), VLAN, IP
Declaration of Conformity	
Hereby, LANCOM Systems GmbH Adenauerstrasse 20/B2 D-52146 Wuerselen, 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)
Accessories	2 Ethernet cables 3 m (kiwi colored connectors); 1 serial configuration cable 1.5 m; 2 IEC power cords 230 V (not for WW devices); 1 set of mounting rails with accessories for fixing the device in a 19" rack; 1x 19" bracket

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.