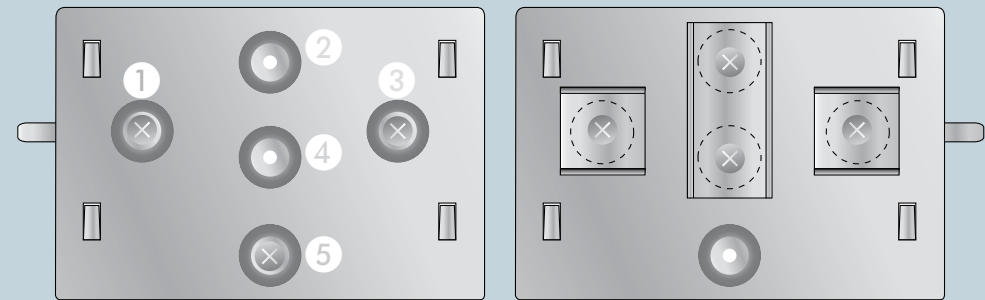


# LANCOM IAP-4G

## Quick Reference Guide



### Wall mounting

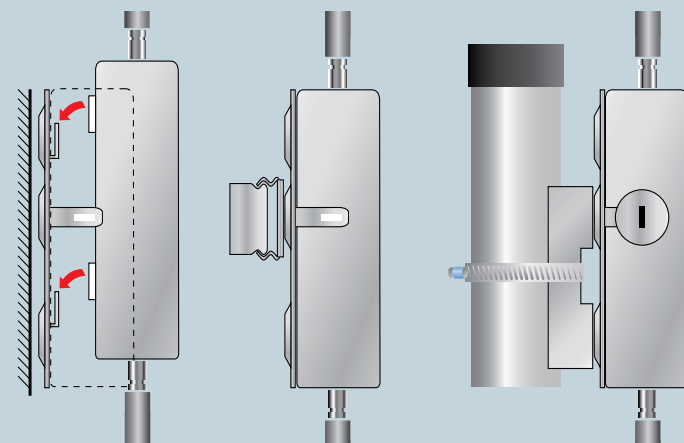
Use the supplied screws to fix the back plate to the wall using the holes 1, 5 and 3.

### Top-hat rail mounting\*

Using the supplied screws, attach the two top-hat rail clips to the holes 1 and 3. Do not yet tighten the screws completely; leave some play to adjust the alignment of the clips.

### Pole mounting\*

For mast mounting, use the supplied screws to fix the clamp profile through the holes 2 and 4.



Align the four openings on the rear of the device housing with the clips on the base plate and snap-fit the device.

### Top-hat rail mounting only

Snap the two top-hat rail clips onto the required position on the top-hat rail.

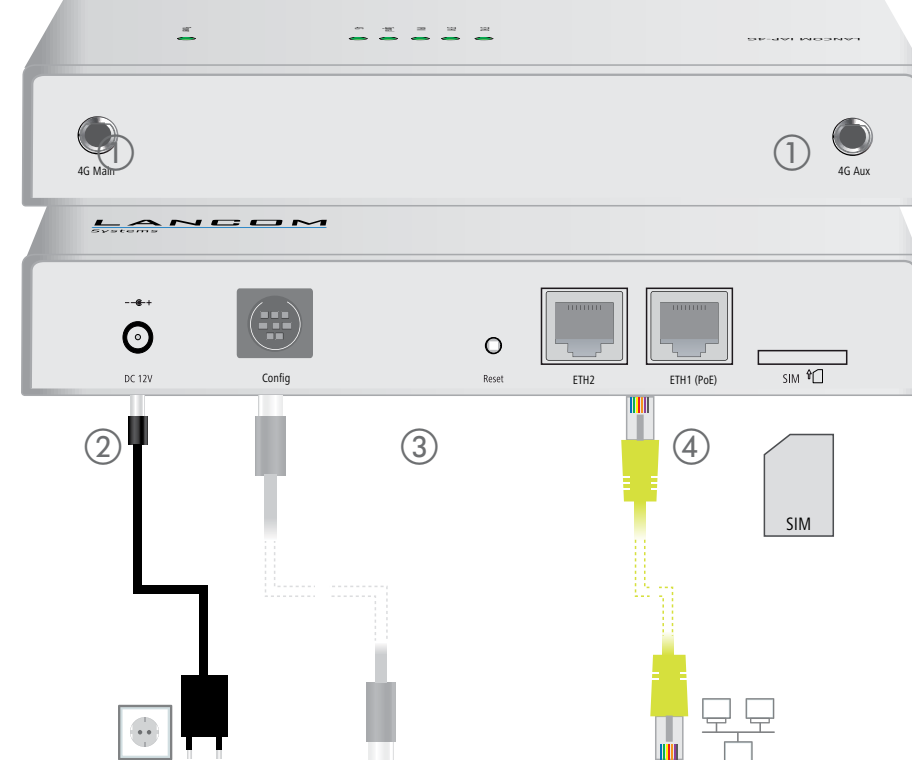
### Mast mounting only

Insert the supplied worm-drive clip (or one suitable for your pole diameter) around the mounting clamp profile. Finally, adjust the worm-drive clip to fix the device in the desired position on the mast.

### Optional: Secure with a Kensington lock

The left side of the device features a slot for a Kensington lock. The Kensington lock securely fixes the device to the mounting plate.

\* With the IAP mount (item no. 61647) available separately



1

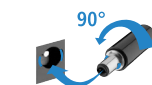
### Antennas

Screw the supplied antennas onto the terminals 4G Main and 4G Aux. Depending on the antenna ports, you may have to configure the 'Antenna grouping' parameter.

2

### Power

When connecting the cable to the device, turn the bayonet connector 90° clockwise until it clicks into place.



Use only the supplied power adapter.

3

### Serial interface

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

4

### Ethernet interface

Use the Ethernet cable to connect one of the interfaces ETH1 or ETH2 to your PC or a LAN switch. Alternatively, you can connect one of the ETH interfaces to the PoE Injector's 'Power Out' connector.

5

### SIM card

Slide the SIM card into the guide slot of the SIM-card holder. Please note the marking for the correct position of the card.



Antennas are only to be attached or exchanged when the device is switched off. Mounting or de-mounting antennas while the device is switched on may cause the destruction of the WLAN module!

MOUNTING AND CONNECTING THE DEVICE



### 1 ETH1, ETH2

Off	No networking device attached
Green, on (constant)	Connection to network device operational, no data traffic
Green, flickering	Data transmission

### 2 VPN

Off	VPN connection inactive
Green, on (constant)	VPN connection active
Green, flashing	VPN connecting

### 3 SIGNAL

Off	No cellular reception
Green on, permanently	Good signal strength, greater than or equal to -70 dB
Orange on, permanently	Medium signal strength, field strength between -86 and -71 dB
Blinking orange	Low signal strength, field strength less than -87 dB

### 5 Power

Off	Device switched off
Green, on (constant)	Device operational
Green/orange, blinking	Configuration password not set. Without a configuration password, the configuration data in the device is unprotected.
Red, blinking	Charge or time limit reached

### 4 4G

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

Hardware	
Power supply	12 V DC, external power adapter (230V) with bayonet connector to secure against disconnection Via Power-over-Ethernet compliant to IEEE 802.3at
Power consumption	Max. power consumption: 16,83W @ 12V und 19 W @ PoE
Environment	Temperature range -20 to +50 °C; humidity 0-95%; non-condensing
Housing	Robust metal housing, IP 50 protection class, for wall, mast and top-hat rail mounting, 210 mm x 152 mm x 32 mm (length/width/depth), weighs approx. 1.1 kg (without mounting materials)
Interfaces	
ETH1	10/100/1000 Mbps auto-sensing, PoE as per IEEE 802.3at
ETH2	10/100/1000 Mbps, autosensing
External antenna connectors	Two SMA connectors
Config (Com)	Serial configuration interface / COM port (10-pin connector): 19,200 - 115,000 baud
Declarations of conformity	
The Declaration of Conformity is available from the product page on our website <a href="http://www.lancom.eu">www.lancom.eu</a>	
Package content	
Manual	Hardware Quick Reference (DE/EN)
DVD	Data medium with management software (LANconfig, LANmonitor, WLANmonitor) and LCOS documentation
Cable	Ethernet cable, 3m (not included with bulk items)
Antennas	Two 2 dBi dipole UMTS/LTE antennas (850-960 Mhz and 1700-2200 Mhz)
Power adapter**	External power supply adapter (230V), NEST 12 V/1.5 A DC/5, barrel connector 2.1/5.5 mm bayonet, temperature range -5 to 45°C, LANCOM item no. 110723 / 111301 (EU), LANCOM item no. 110829 / 111302 (UK)

\*\* Not included with bulk items