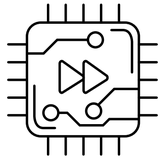
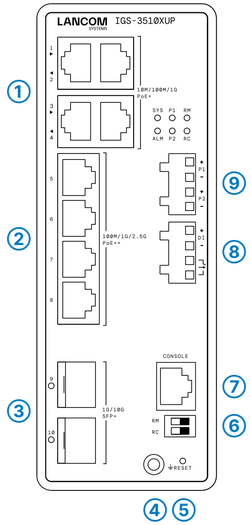
Hardware Quick Reference

LANCOM IGS-3510XUP





1 TP Ethernet interfaces 10M / 100M / 1G
Use suitable Ethernet cables to connect the interfaces 1 to 4 to further network devices.

2 TP Ethernet interfaces 100M / 1G / 2.5G
Use suitable Ethernet cables to connect the interfaces 5 to 8 to further network devices.

3 SFP+ interfaces 1G / 10G
Insert suitable LANCOM SFP modules into the SFP+ interfaces 9 to 10. Choose cables which are compatible with the SFP+ modules and connect them as described in the SFP+ module's documentation.

4 Ground terminal

5 Reset button
Device restart:
Pressed for 2 – 7 seconds until system LED blinking green (port LEDs off)
Konfigurations-Reset:
Pressed for 7 – 12 seconds until system LED blinking green (port LEDs on)

6 DIP switch for configuring the Rapid Ring behavior
The default setting of the DIP switch is set to On / On (software control).
In hardware control mode, all Rapid Ring software configurations via web, telnet and console are deactivated.

Mode	RM	RC	Rapid Ring status	Port 1	Port 2	LED RM (Ring Master)	LED RC (Rapid Chain)
HW control	Off	Off	Single Ring member	Largest odd port number	Largest even port number	Orange	Off
HW control	On	Off	Single Ring master	Largest odd port number	Largest even port number	Green	Off
HW control	Off	On	Rapid Chain	Largest odd port number	Largest even port number	Off	Green (active path) Orange (backup path)
SW control	On	On	Rapid Ring settings per software	-	-	-	-

Only Single Ring and Rapid Chain can be configured via DIP switches.
The largest even/odd ports include both fiber optic and copper.
With combo ports, either fiber optic or copper can be used as a ring connection.

7 Configuration interface
Connect the configuration interface to the serial interface of the device via which the switch is to be configured and / or monitored using the enclosed serial configuration cable.

8 Digital inputs/outputs

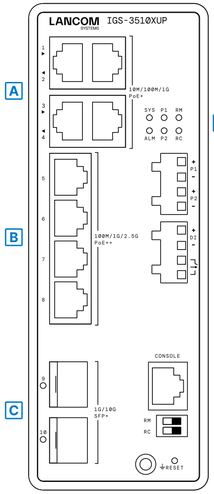
9 Power supply connectors
Redundant power supply (2 connectors P1 and P2)

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

Switch off the power supply before connecting or disconnecting modules or cables. The correct mains voltage is indicated on the product label. Check the voltage of your power source to ensure that you are using the correct voltage. Do not use a higher voltage than specified on the product label.

Please observe the following when setting up the device
→Keep all ventilation slots on the side of the device clear of obstruction
→Please note that support service for third-party accessories is excluded.

Mounting & connecting



A TP Ethernet ports 10M / 100M / 1G PoE+	
Off	Port inactive or deactivated
Orange	Link < 1 Gbps
Orange, blinking	Data transfer, link < 1 Gbps
Green	Link 1 Gbps
Green, blinking	Data transfer, link 1 Gbps

B TP Ethernet ports 100M / 1G / 2.5G PoE++	
Off	Port inactive or deactivated
Orange	Link < 1 Gbps
Orange, blinking	Data transfer, link < 1 Gbps
Green	Link 1 / 2,5 Gbps
Green, blinking	Data transfer, link 1 / 2,5 Gbps

C SFP+ports 10G	
Off	Port inactive or deactivated
Green	Link 10 Gbps
Green, blinking	Data transfer, link 10 Gbps
Orange	Link 1 Gbps
Orange, blinking	Data transfer, link 1 Gbps

D SYS / ALM / P1 / P2 / RM / RC	
SYS off	Device off
SYS green	Device ready
ALM off	Normal operating status
ALM red	An abnormal condition, such as temperature, voltage or DC power 1 / 2, has been detected
P1 / P2 off	No power supply via P1 / P2
P1 / P2 green	Power supply via P1 / P2
RM off	Deactivated
RM green	Ring Master detected
RM orange	Ring Member detected
RC off	Deactivated
RC green	Rapid Chain detected (Aktive path)
RC orange	Rapid Chain detected (Backup path)
RC orange, blinking	No rapid chain switch found

Hardware	
Power supply	External power supply (not included) 44–57 VDC required for IEEE 802.3af (max. 15.4 W) 50–57 VDC required for IEEE 802.3at (max. 30 W) 50–57 VDC required for IEEE 802.3bt Type 3 (max. 60 W) 52–57 VDC required for IEEE 802.3bt Type 4 (max. 90 W) PoE acc. to IEEE 802.3af/at (PoE+) and IEEE 802.3bt (PoE++)
Power consumption	Max. 375 W (thereof 360 W PoE budget)
Environment	Temperature range –40 – 60 °C, humidity 10–90 %, non-condensing
Housing	Hardened metal housing for top-hat rail, 62 × 168 × 130 mm (W x H x D), Network connectors on the front
Fan	None; fanless design without rotating parts, high MTBF
Interfaces	
ETH	4 TP Ethernet ports 10 / 100 / 1000 Mbps 4 TP Ethernet ports 10 / 100 / 2500 Mbps
SFP	2 SFP+ ports 10 Gbps 10 concurrent Ethernet ports in total
CONSOLE	1 serial RJ45 configuration interface
Package Content	
Cable	1 serial configuration cable 1.5 m

Hereby, LANCOM Systems GmbH | Adenauerstrasse 20/B2 | D-52146 Wuerselen, declares that this device is in compliance 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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LED description & technical details