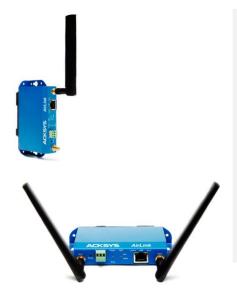# Ethernet-Air-Pack-2

Ready-to-use point-to-point wireless Ethernet bridge

- Between two equipments or two networks

- Nothing to configure

- 5 GHz IEEE 802.11a WiFi band

- Secured radio link with pre-configured WPA2

- 10/100/1000 Base TX RJ45 auto-sensing network Interface

- Wide range power supply: +9VDC to +48VDC, PoE

Introduction

Ethernet-Air-Pack-2 is a ready-to-use solution designed to replace any Ethernet cable between quipments (PC, IP video, printers ...), to replace the network cable between the RJ45-wall outlet and the computer or even to establish a wireless bridge between two independent Ethernet networks (between two buildings, two PLC's networks ...).

The kit is built around two pre-configured WiFi units (AirLink) already associated, installation doesn't require any configuration.

Ethernet-Air-Pack-2 relies on the WiFi 5 GHz standard (IEEE 802.11a) which is not widely used by WiFi equipments. This offers a good level of protection against perturbations generated by existing WiFi networks; you can install as many Ethernet Air-Pack as cables to be replaced.

Technical characteristics overview

Ethernet Link	10/100/1000 Base TX Ethernet interface, RJ45 connector
Radio Link	Compliant with WiFi IEEE 802.11a, data rate up to 108 Mbps
Power, sensitivity	Transmitter +21 dBm, Receiver –92 dBm, one 5 GHz 4 dBi antenna
Signaling	LAN & WLAN activity on LEDs
Administration	SNMP and ACKSYS NDM
Power supply	+9VDC to +48VDC power source, PHOENIX connector, 5.5 Watts typical, 8.5 Watts maximum, or PoE
Dimensions & weight	Small sized enclosure L: 103 x W: 67 x H: 24 mm, weight 225 g
Environment	Operating temperature: -20°C to +60°C, storage: -40°C to +85°C Humidity: 0% to 99% (non-condensing)

Application examples:

RJ45 Ethernet cable replacement between two equipments

Secured
5 GHz
radio link

Office network cable replacement

Secured
5 GHz
radio link

Interconnection between two Ethernet networks

Secured
5 GHz
radio link

PLC network # 1   PLC network # 2

Ordering references

Ethernet-Air-Pack-2	Ready to use Point-to-Point wireless Ethernet bridge kit including two independent radio units with four 4 dBi antennas, and two RJ45 Ethernet cables (1 meter)
Options	DIN-rail mounting: WL-FIX-RD2 Power supply 100-240VAC / 12VDC – 0,84A (10Watt): MDR-10-12