

Outdoor high speed wireless Ethernet backhaul

HyperLan-Pack is a solution to establish a high speed Ethernet wireless link between buildings, factories, CCTV cameras, temporary installations ... to connect Ethernet networks or Ethernet devices between each other.

The kit is built around two pre-configured WiFi units and two parabolic antennas.

HyperLan-Pack relies on the WiFi 5.3 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.

Moreover, the RF radiated beam is narrow (few degrees) so it's almost undetectable.

The radio link between the two units of the Ethernet Air-Pack is secured by the WPA2-PSK authentication and encryption method.



Each unit features a 10/100 Base TX auto-sensing, auto MDI/MDIX cross-over RJ45 network interface, WiFi maximum throughput is 40 Mbps (TCP).

HyperLan-Pack is available in two versions: long range (up to 5 Km) and medium distance (up to 1.5 Km) at 40 Mbps.

Range increase significantly (up to 50 Km) if data rate is reduced to 10 Mbps.

Given performances can change depending to the local RF regulations concerning the maximum allowed output power (EIRP).

Antennas feature are protected with lightning surge arrestors.

LEDs indicate both LAN and wireless link activity.

HyperLan-Pack is powered from the Ethernet cable (IEEE 802.3af), it can also be powered from a DC source (+9VDC to +75VDC) for a 7W typical consumption.