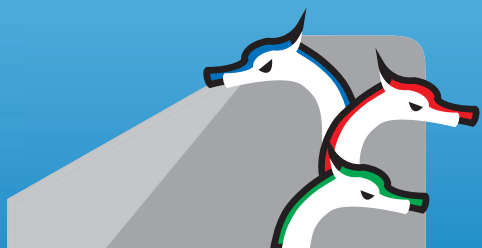




**WIRELESS TRANSMISSION SYSTEMS**







**LADON CLEARLY DIFFERENT**

All Ladon Wireless transmission products have the latest generation features for VPN (Virtual Private Network), data security, encryption, IP assignment, remote software update and SNMP (Simple Network Management Protocol).

These products are widely used in the construction of networks for Wireless Service Providers, security and urban video surveillance, military installations, government projects, university & schools and disaster recovery.

The robustness and the IP67 degree of protection of the products, allows you to install the systems in demanding environments such as coastal zones, mountains or desert areas.

## Radio stations for point to point connections

<b>LDWLBH1081-23</b>	<b>LDWLBH1081</b>
<b>5.4 GHz frequency – 108 Mb/s maximum radio band</b>	
	
Max bandwidth: 30 Mbps @ 8-9 Km (5-6 miles)	Max bandwidth (28dBi antenna): 30 Mbps @ 12-13 Km (7-8 miles) Max bandwidth (32dBi antenna): 30 Mbps @ 20-21 Km (12-13 miles)
Max distance: 15 Km (9 miles) @ 8-9 Mbps	Max distance (28dBi antenna): 24 Km (15 miles) @ 8-9 Mbps Max distance (32dBi antenna): 38 Km (23 miles) @ 8-9 Mbps
Integrated antenna with 23dB gain	Requires an external antenna (N-f connector)
108 Mb/s maximum radio band	
WPA2 encryption, QoS management, RF scanner	
IP67 aluminum container with anti RF treatment	
RJ45 connector for power, data cable	
Supplied complete with POE power supply, and pole bracket (Ø 40-70 mm)	
<b>LDWLBH3001-23</b>	<b>LDWLBH3001</b>
<b>5.4 GHz frequency – 300 Mb/s maximum radio band</b>	
	
Max bandwidth: 90 Mbps @ 6 Km (4 miles)	Max bandwidth (external antenna): 90 Mbps @ 12 Km (7-8 miles)
Max distance: 6 Km (4 miles) @ 90 Mbps	Max distance (external antenna): 12 Km (7-8 miles) @ 90 Mbps
Integrated antenna with 23dB gain	Requires an external antenna (N-f connector)
300 Mb/s maximum radio band	
WPA2 encryption, QoS management, RF scanner	
IP67 aluminum container with anti RF treatment	
RJ45 connector for power, data cable	
Supplied complete with POE power supply, and pole bracket (Ø 40-70mm)	

## Radio stations for point to multipoint connections

**LDWLBS0541-1R**

**LDWLBS0541-2R**

**LDWLBS0541-3R**

**5.4 GHz frequency – 54 Mb/s maximum radio band**



The distance and the bandwidth depend from the antenna you will use  
(e.g. with a dish antenna with 28dB gain you can have 8-9 Mbps up to 25 Km / 15-16 miles)

Single radio	Double radio	Triple radio
Requires an external antenna (N-f connector)	Requires external antennas (two N-f connectors)	Requires external antennas (three N-f connectors)
54 Mb/s radio band		
WPA2 encryption, QoS management, RF scanner		
IP67 aluminium container with anti RF treatment		
RJ45 connector for power, data cable		
Supplied complete with POE power supply, and pole bracket (Ø 40-70 mm)		

## Radio repeater

**LDWLBR1082-23**

**5.4 GHz frequency – 108 Mb/s maximum radio band**



Max bandwidth: 30 Mbps @ 8-9 Km (5-6 miles)

Max distance: 15 Km (9 miles) @ 8-9 Mbps

Integrates 2 radio units to 5.4GHz and 23dB antenna

Additional 23dB antenna with 2m RF cable provided, 108 Mb/s maximum radio band

WPA2 encryption, QoS management, RF scanner

IP67 aluminium container with anti RF treatment

RJ45 connector for power, data cable

Supplied complete with PoE, gas arrester on each connection for protection from lightning and pole mounting bracket (Ø 40-70mm)

## Radio Terminal Unit

**LDWLCP0541-20**

**5.4 GHz frequency – 54 Mb/s maximum radio band**



Max bandwidth: 14 Mbps @ 3-4 Km (2 miles) - Max dist: 8 Km (5 miles) @ 5-6 Mbps

20dB Integrated Antenna panel, 54 Mb/s radio band

WPA2 encryption

IP67 aluminium container

RJ45 connector for power, data cable

Supplied complete with POE power supply and pole mounting bracket (Ø 40-70mm)

