LDF 5 series

The LDF (Lite dish feed) is an outdoor wireless system with a built in antenna, meant to be installed on satellite offset dish antennas. The dish will act as a reflector, amplifying the signal.



This means you can use any available satellite TV dish with an offset mount to quickly deploy powerful long range wireless links. The offset mount is universal at 40 mm diameter, and the LDF can easily be placed inside it. Since the LDF itself is a tiny little package, it makes shipping and deployment simple and low cost.

There are two models available, the LDF 5 is lower cost and has 802.11n with a 10/100Mbit port, while the LDF 5 ac has a higher speed CPU, more RAM, has a Gigabit port and supports 802.11ac for higher throughput.



Dish is not included.

Using a dish of up to 100 cm in diameter, it is possible to obtain antenna amplification of up to 33 dBi. The device comes preinstalled with RouterOS and is ready to use.





24 V 0.38 A adapter



PoE injector

Specifications

Product code	RBLDFG-5acD (International) RBLDFG-5acD-US (USA)	RBLDF-5nD (International) RBLDF-5nD-US (USA)
CPU	IPQ-4018 716 MHz	AR9344 600 MHz
Memory	256 MB	64 MB
Storage size	16 MB Flash	
Ethernet	One 10/100/1000 Mbit/s Gigabit Ethernet	One 10/100 Mbit/s Ethernet
Wireless	IPQ-4018, wireless built-in 5 GHz 802.11ac, dual chain	AR9344, wireless built-in 5 GHz 802.11a/n, dual chain
Wireless regulations	Specific frequency range can be limited by country regulations	
Frequency range	International: 5150 MHz-5875 MHz USA: 5170-5250 MHz; 5725-5835 MHz	
Power options	Passive PoE input 10-30 V	
Consumption	8 W	6 W
Internal antenna gain	9 dBi	
Antenna beam width	60°	
Dimensions	84mm x 84mm x 115mm	
Operating temperature	-40°C .. +70°C	
LEDs	8x LEDs (5x user LEDs)	8x LEDs (6x user LEDs)
License level	3	

Wireless specifications

Rate (LDF 5 ac)	Tx	Rx
6MBit/s	25	-96
54MBit/s	21	-80
MCS0	25	-96
MCS7	20	-75
MCS9	18	-70

Rate (LDF 5)	Tx	Rx
6MBit/s	25	-96
54MBit/s	20	-80
MCS0	25	-96
MCS7	19	-75