Modem Bridge - CPE
Built-in Antenna - Short Distance

Built-in radio and antenna

The ideal complement for your wireless network, based on **CHRONOLINK, MEDIAFEED, MEDIAFEED PLUS** or **URBAN** solutions**.**
Professional 5GHz wireless LAN CPE for outdoor installation, with built-in SISO or MIMO antenna, for short distance connections.
CHR510 can be used:

- as bridge in point to point networks;
- as client in point to multi-point networks.

The enclosure and the antenna section are completely design and manufactured by Linkit.
The complete system measures just 12 x 14 x 7,5cm.

802.11ac for data rate up to 867Mbps

Using the integrated antenna and the IEEE 802.11a/n/ac standards, the device allows to achieve unprecedented effective bit rate of up to 867MBps, as defined in the following table.

Model	Antenna	Data Input	Standard	Banda	Data Rate
CHR510F	SiSo 15dB	LAN	802.11a/n	5 GHz	150Mbps
CHR510FN	MiMo 15+15dB	LAN	802.11a/n	5 GHz	300Mbps
CHR510F-AC	MiMo 15 + 15dB	LAN	802.11a/n/ac	5GHz	867Mbps

High flexibility and strong performances

The Chronofly CHR510F product line is specifically engineered to meet the requirements of even te most advanced wireless operator. All devices run the RouterOS software and combine a high-gain antenna with integrated routing, NAT and WDS functions, allowing the easy design and deployment of large networks without sacrificing maintainability and scalability.

Features and accessories

- Small size
- PoE power supply
- 20—50mm pole mounting bracket
- Optional hardware for installation at 10° angle

5,6 1 | IP66 | PoE | QoS | 867 Mbps | | Bri | Cli

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Caratteristiche Tecniche	CHR510F	CHR510FN	CHR510F-AC
IEEE Standards	802.11a/n		802.11 a/n/ac
Frequency	5.470 – 5.725 MHz		
Modulation	OFDM (BPSK, QPSK, 16-QAM, 64-QAM)		OFDM (BPSK, QPSK, 16-QAM, 64-QAM, 256QAM)
Channel Bandwidth	20 MHz - 2x20 MHz		20 MHz - 2x20 MHz - 4x20MHz
Antenna Type	Integrated Panel V Pol.	Integrated Panel H & V Pol.	
Antenna Gain	15 dB	15 db + 15 dB	
Antenna Beamwidth	H e V: 20° @ 3dB		
Antenna f/b ratio	> 20 dBi		
Maximum Output Power	1 W EIRP		
Tx Power Adjustment	20 dB step 1 dB		
Rx Sensitivity (including antenna gain)	-111dBm @ MCS0 20MHz -106 dBm @ MCS0 40MHz -91 dBm @ MCS3 20MHz -88 dBm @ MCS3 40MHz	-111dBm @ MCS0 20MHz -106 dBm @ MCS0 40MHz -91 dBm @ MCS7 20MHz -88 dBm @ MCS7 40MHz	
Wireless Mode	Bridge - WDS - Station		
Data Encryption	WEP 64/128 bit; WPA, WPA2, TKIP, AES-CCM-TKIP, PSK/EAP, Mac Filtering, IP Filtering, Radius Server, Proprietary WDS, Integrated Firewall		
Etehrnet Standard	10/100 Base-T — Auto MDI/X — standard 802.3	10/100/1000 Base-T Gigabit — Auto MDI/X — standard 802.3	
VLAN Support	802.1q - Multiple VLAN interface – Inter VLAN routing		
VPN Support	IPSEC, PPPoE, EoIP, PPTP, L2TP		
QoS Support	802.1p - IPToS RFC791 - CBQueuing - PCQ, RED, SFQ, FIFO queue - CIR - MIR - peer-to-peer management		
Network Routing	OSPF – RIP - BGP - STP - RSTP - NAT – MPLS – IPv6 - MME		
Management	Telnet, SSH, FTP, Proprietary GUI, http, WEB		
Antenna Standard	SiSo 1 x 1	MiMo 2 x 2	
Power Supply	12V dc 350mA – P.O.E.	12V dc 450mA – P.O.E.	
Operating temperature	- 20°C / +55°C		
Dimension mm (H x L x P)	120 x 140 x 70		
Weight	0,8 Kg		
Safety Rating	IP66		
Standards	EN301893 EN301489-17 EN60950-1 ERC70-03		