

HYC Series

7 GHz Outdoor 2x2 MIMO HT-OFDM
Wireless Surveillance Ethernet Bridge
Integrated 21 dBi, 2x2 MIMO Antenna



RADIO SPECIFICATIONS	
Frequency range	6763 – 7118 MHz
Channel Band Width	2.5 / 3.5 / 4 / 5 / 7 / 8 / 10 MHz
Channel Step	1 MHz
Frequency Stability	± 2 ppm
Modulation	MIMO HT-OFDM
Integrated antenna	21 dBi integrated MIMO panel antenna Vertical Beam-width : Port 1=10°/ Port 2=10° Horizontal Beam-width : Port 1=10°/ Port 2=10°

MCS Index	MIMO-OFDM / HT10		
	Data Rate (Mbps)	Tx Output Power (dBm)	Rx Sensitivity (BER 1 ^E 10-6)
MCS0/8	3.25/6.5	20(±1.5)	-94/-92 dBm
MCS1/9	6.5/13	19(±1.5)	-92/-90 dBm
MCS2/10	9.75/19.5	19(±1.5)	-90/-87 dBm
MCS3/11	13/26	18(±1.5)	-87/-84 dBm
MCS4/12	19.5/39	17(±1.5)	-84/-81 dBm
MCS5/13	26/52	16(±1.5)	-80/-77 dBm
MCS6/14	29.25/58.5	16(±1.5)	-78/-75 dBm
MCS7/15	32.5/65	16(±1.5)	-76/-73 dBm

INTERFACES	
10/100/1000 Base-T RJ-45 port with M25 Cable Gland	

MANAGEABILITY	
Management and Setup	Web-based (Chrome / IE 9.0 or later)
SNMP agents	MIB II
Protocol	TCP/IP, IPX/SPX, NetBEUI
Network Architecture	PTP / PTMP
Antenna Alignment	WEB GUI Local / Remote Information
Radio Locator	GPS coordinates and internet map database

Security	
Data Encryption	WPA-PSK / WPA2-PSK
Advanced Security	MAC access control / Disable SSID / Proprietary protocol

ENVIRONMENT	
Operating Temperature	-30~60 °C
Storage Temperature	-45~80 °C
Humidity	95% non-condensing

POWER SUPPLY & CONSUMPTION	
Power Supply 1: VAC 100-264, 50-60Hz convert to DC 48V Adapter (Max. 45Watts) with 48VDC	
POE Power Consumption: 10Watts (typical) / 12 Watts (Max.) @ DC 48V	
Power Supply 2: VDC 12-30, Waterproof M12 connector	

PHYSICAL	
Dimension	385 (L) * 385 (W) * 95 (H) ; mm
Weight	3.2 Kg

WARRANTY	
1 YEAR	

Ces radio ip FH 7 GHz on été conçues pour le Ministère de l'Intérieur affectataire de cette bande. La puissance émise réduite, la canalisation flexible et les performances de l'antenne Fractale à double polarisation ont été définis afin de permettre une cohabitation et un partage de la bande allouée afin que les risques d'interférences soient extrêmement réduits.

These 7 GHz FH IP radios were designed for the Ministry of the Interior, which is the assignee for this band. The reduced transmitted power, flexible channeling and performance of the dual polarization Fractal antenna have been defined to allow cohabitation and sharing of the allocated band so that the risks of interference are extremely reduced.

