



*Hypercable*

# MYRIAPLEX BROADCAST IPTV & WiFi Super Hot Spot



**MYRIAPLEX Green IPTV**

**Disruptive Technology**

**Hypercable Design**



*Hypercable*

# Wireless Myriaplex IPTV - Cells System Diagram



TV Monitor Video Audio Scart or cinch input IPTV decoder



5 GHz e-rake IPTV 18 dB RX antenna  
2.4 GHz CPE & IP Internet TX RX

Multiple TX 20 Mhz Channel IPTV 42 Mbps each (4.9/6.2 GHz)  
2.4 Ghz/5.4 GHz WiFi Channel MIMO  
2x40 Mhz IP up to 320 Mbps



TV for DVB-T and IPTV



IPTV 5 GHz TX Broadcast for downstream and TX-RX WiFi  
2.4 GHz 320 Mbps aggregated on each 90° sectors for 360° coverage

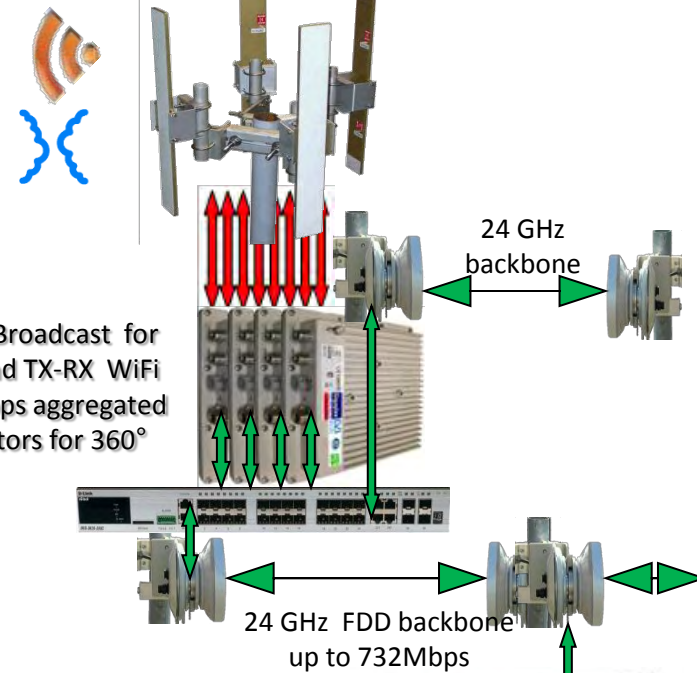


TV DVB-T IPTV and PC 3D



Broadcast Multicast IPTV Streaming OTT and PMP to unlimited users. Internet TCPIP VOIP.

Base Station 4 sectorial dual-band 16 dB antenna for IPTV & WiFi



IPTV Gateway Streamer





## Wireless Myriaplex IPTV - Specifications

### **IPTV Broadcast Transmitter .**

- Frequency Range: 4.9 – 6.20 GHz
- Channel Bandwidth : 20MHz
- RF power: 3 watts
- IPTV Stream: 42Mbps capacity
- Antenna filter : Narrowband
- RF output: N jack
- IP input: RJ45 Simplex TX
- One Way transmission
- POE: 48 VDC

### **IPTV Broadcast Receiver .**

- Receiver :18dBi panel integrated
- IP output: RJ45 simplex RX
- One way reception
- POE: 24 VDC

### **Highlights:**

- One-way transmission
- No need clients registration
- Unlimited clients
- Duplex backbone up to 366 Mbps F/D
- Combinable with Super HotSpot WiFi
- IPTV capacity up to 1.365 Gbps for half of the 20 MHz channels available in the band
- Receiver compliant with any PCTV & STB
- Transmitter Compliant with any IPTV head station Streamer and any IPTV broadcasted contents



WIRELESS MOBILE MESH NETWORKS

$$e = \sum_{n=0}^{\infty} \frac{1}{n!} = \lim_{n \rightarrow \infty} \left( \frac{1}{0!} + \frac{1}{1!} + \frac{1}{2!} + \dots + \frac{1}{n!} \right)$$

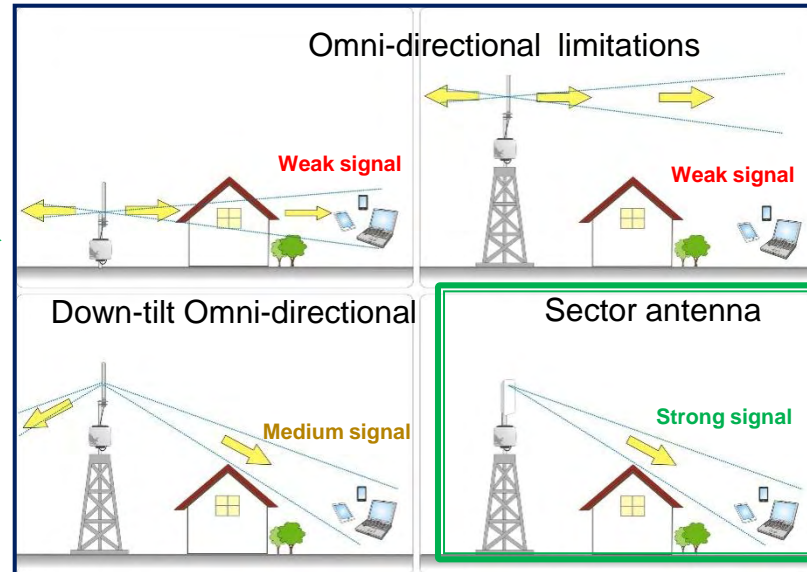
# ERH2003, Super-Hotspot Station

*Hypercable*

- 320 Mbps Throughput Internet Service
- Near-LOS Triple Sectors Coverage
- Both last mile to home and hotspot applications
- Compatible with 802.11 abgn devices.



Compatible with all IEEE 802.11 abgn devices



**320 Mbps** throughput to the serving Network Gigabit