



LMCA TWIST MODULAR FOR  
C5X&B5X

# LMCA-M Series(For MIMOSA)

Model: LRA-29M, LRA-32M

Frequency 4.9–6.4 GHz

29dBi, 32dBi

UP To 30KM, UP To 50KM

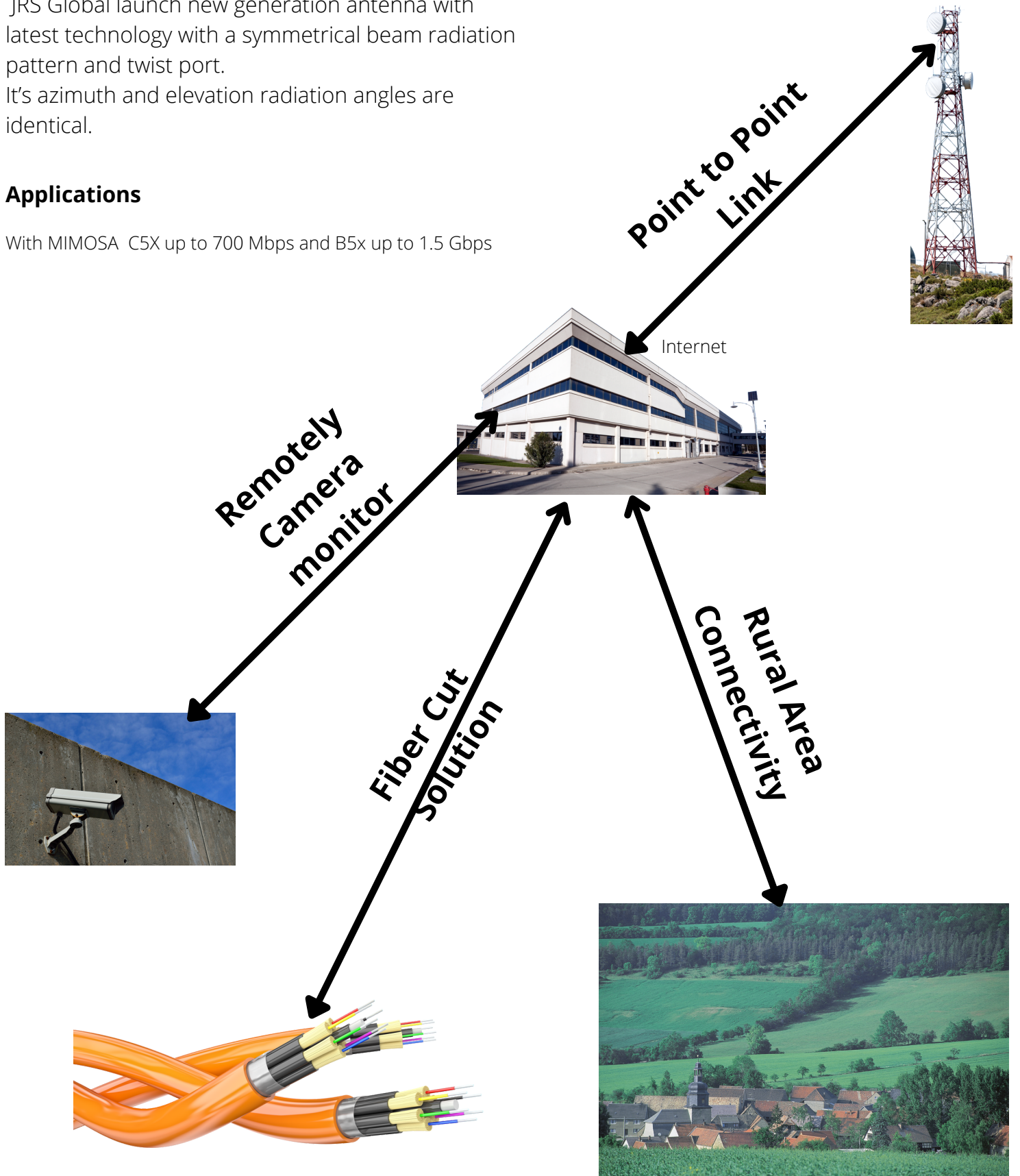


## Overview

JRS Global launch new generation antenna with latest technology with a symmetrical beam radiation pattern and twist port. It's azimuth and elevation radiation angles are identical.

## Applications

With MIMOSA C5X up to 700 Mbps and B5x up to 1.5 Gbps



Part No.  
LRA-29M



## Functional description:

As a fundamental part of a wireless communication system, the Antenna is a device that converts the RF signal to an equivalent electromagnetic wave for transmitting into & receiving from free space. Radio wave communication needs transmitting as well as Receiving Antennas. It acts as a transducer that converts an RF signal into an EM wave at the transmitter and an EM wave back to an electrical signal at the receiver. Various Electrical and mechanical parameters are there which determines the use of the Antenna in a wireless PTP or PMP communication setup.

### Electrical Parameters

Frequency	4.9–6.4 GHz
Gain (dBi)	2X29
VSWR (Max)	1.2:1
Cross-Pol Suppression	>25
Polarization	Linear V & H
Port to Port isolation (dB)	>30
Max Power Input (Watts)	50
Front to Back Ratio (dB)	>35
Safety Requirements	As Per IEC Standards
Mount	twist-on
Beam Width (Degree)	6

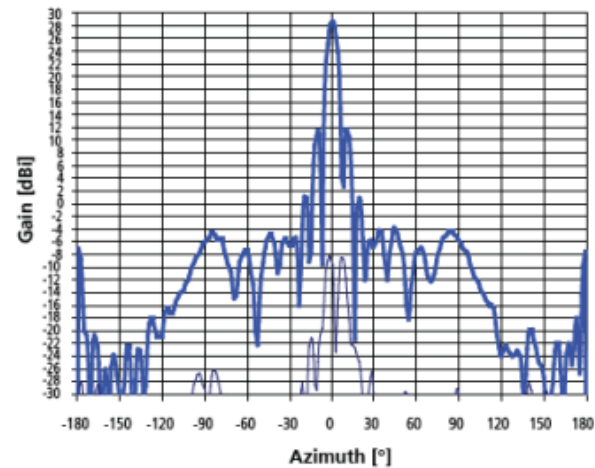
### Environmental Parameters

Temperature Range(° C)	-50 to +70
Wind Speed (KM/H)	250
Humidity	95% No Condensation

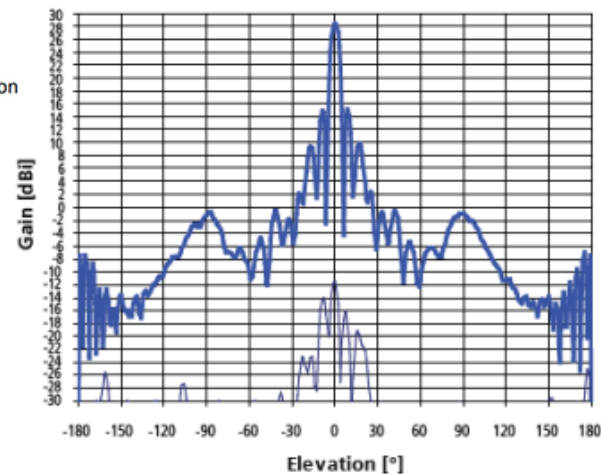
### Mechanical Parameters

Dimension (MM)	650 MM
Antenna Material	Alloy (FE+AL)
Gross Weight (KG)	8
Packing Dimension (inch)	26.5X26.5X8
Mounting Hardware	MS Galvanized & Power Coated
Mounting Style	Tower & Pole
Mounting Pole Diameter(MM)	100 Max
Mounting Adjustment	H Plane ± 45 ° V Plane ± Fine 10 °

## 5.7 GHz H-Pattern



## 5.7 GHz E-Pattern



## Ordering Information :- LRA-29M

[www.optiteraglobal.com](http://www.optiteraglobal.com)

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Part No.  
LRA -32M



## Functional description:

As a fundamental part of a wireless communication system, the Antenna is a device that converts the RF signal to an equivalent electromagnetic wave for transmitting into & receiving from free space. Radio wave communication needs transmitting as well as Receiving Antennas. It acts as a transducer that converts an RF signal into an EM wave at the transmitter and an EM wave back to an electrical signal at the receiver. Various Electrical and mechanical parameters are there which determines the use of the Antenna in a wireless PTP or PMP communication setup.

### Technical Specification

#### Electrical Parameters

Frequency	4.9–6.4 GHz
Gain (dBi)	2X32
VSWR (Max)	1.2:1
Cross –Pol Suppression	>28
Polarization	Linear V & H
Port to Port isolation (dB)	>30
Max Power Input (Watts)	50
Front to Back Ratio (dB)	>40
Safety Requirements	As Per IEC Standards
Mount	twist-on
Beam Width (Degree)	4

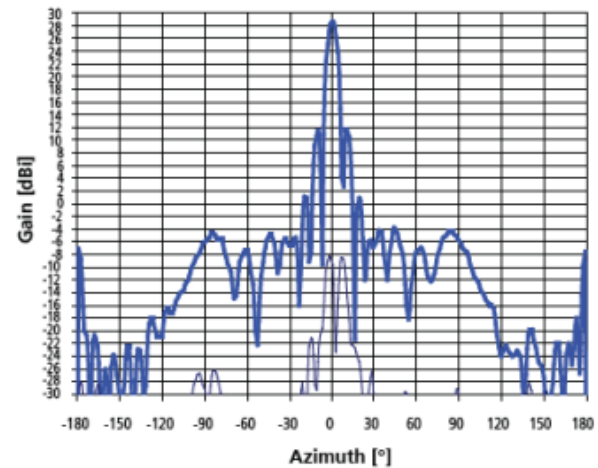
#### Environmental Parameters

Temperature Range(° C)	-50 to +70
Wind Speed(KM/H)	250
Humidity	95% No Condensation

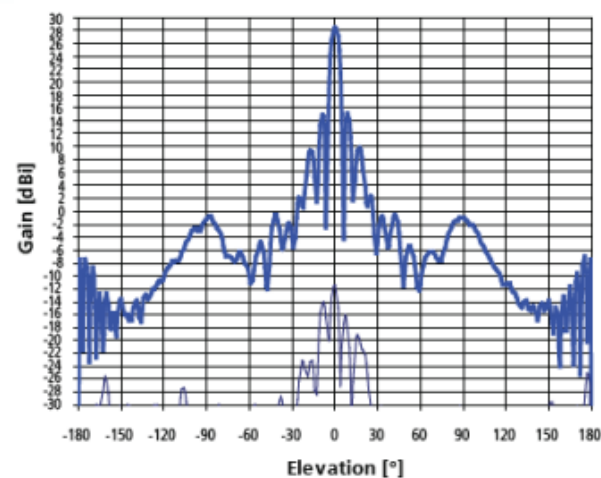
#### Mechanical Parameters

Dimension (MM)	900 MM
Antenna Material	Alloy (FE+AL)
Gross Weight (KG)	12
Packing Dimension (inch)	38.5X38X12
Mounting Hardware	MS Galvanized & Power Coated
Mounting Style	Tower & Pole
Mounting Pole Diameter (MM)	100 Max
Mounting Adjustment	H Plane ± 45 ° V Plane ± Fine 10 °

## 5.7 GHz H-Pattern



## 5.7 GHz E-Pattern



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