

EM-6130 CELLULAR ANTENNA ARRAY



Features

- Full frequency coverage
- Weatherproof enclosure

Description

The EM-6130 consists of an array of six directional antennas and one omni-directional antenna, a switching matrix and a remote control module.

The directional antennas are arranged so that each covers 60° of azimuth for full 360° coverage from the array. The antenna array and switch matrix is contained in a weatherproof, roof-top mountable enclosure. Two type "N" RF connectors are provided on the antenna array.

Frequency Range of the antenna array is 430-470 MHz allowing full coverage of the NORDIC 450 Cellular System.

The remote control module features push button selector switches which allow connection of each RF connector on the antenna array to any of the seven individual antennas. The remote control module may be mounted up to 250 feet from the antenna array (100 ft. of cable provided).

EM-6130

CELLULAR ANTENNA ARRAY

Specifications

Electrical

Directional Antennas

Frequency Range:	430 MHz - 470 MHz
Gain:	6 dBi
Beamwidth, Azimuth:	80° @ -3 dB, nominal
Front-to-Back Ratio:	20 dB, typical
Polarization:	Vertical
Impedance:	50 Ohms
VSWR:	2.0:1, typical

Omni-Directional Antenna

Frequency Range:	430 MHz - 470 MHz
Gain:	2 dBi
Polarization:	Vertical
VSWR:	2.0:1, typical

Antenna Array Controller (Remote Control Module)

AC Line Voltage:	90 - 250 VAC, 47 Hz - 63 Hz
AC Power Requirements:	10 W, maximum

Mechanical

Dimensions:

Diameter:	45.72 cm (18")
Height:	92.71 cm (36.5")
Operating Temp:	-40° to +80° C
Weight:	16.33 kg (36 lbs.)

Antenna Array Controller (Remote Control Module)

Dimensions:

Length:	22.23 cm (8.75")
Width:	19.05 cm (7.5")
Height:	8.89 cm (3.5")
Operating Temperature:	0° - 50° C
Weight:	.73 kg (1.6 lbs.)

Specifications subject to change without notice.
Unless otherwise specified, product is manufactured in Johnstown, NY USA.

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