



# WPMA Enclosure

OUTDOOR ENCLOSURE WITH INTEGRATED ANTENNA

Complex WPMA Outdoor Enclosure is designed for long term use in outdoor application. The Die Cast Aluminum Alloy Enclosure offers unsurpassed resistance to corrosion.

An integrated 17dBi 'A'-Band or 14dBi 'G'-Band (depends on order configuration) directional weather-proof antenna eliminates the need for bulky and costly cables. The high loss of gain via external RF cable is also avoided.

With the addition of IP67 Water-Proof RJ45 Cable Gland, attached LED, membrane vent (optional), and N-type connectors (optional), Complex WPMA Enclosure provides a complete outdoor solution.

### Applications

- Wireless Base Stations Application
- Wireless Client Mode Application
- Repeater Systems Application
- Point to Point Application

### ENCLOSURE SPECIFICATIONS\*

#### GENERAL INFORMATION

ENCLOSURE MATERIAL	Aluminium
ENCLOSURE COLOR	Grey
WEIGHT	2.0 Kg
OUTSIDE DIMENSIONS	260mmX 251mm X 143mm (Including Integrated Antenna)
INSIDE DIMENSIONS	210mm X 130mm X 48mm
ETHERNET INTERFACE	IP67 Water-Proof RJ45 Cable Gland
CONNECTORS	4 X N-Type Connector (Optional) ** 1 X M12 Hole With Membrane Vent (Optional) **
RATINGS	IP66
INTEGRATED ANTENNA	17dBi 'A-Band' Directional OR 14dBi 'G-Band' Directional
MOUNT	Pole Mount or Wall Mount

\*Specifications are subjected to change without notice

\*\* Item is not provided in default package.


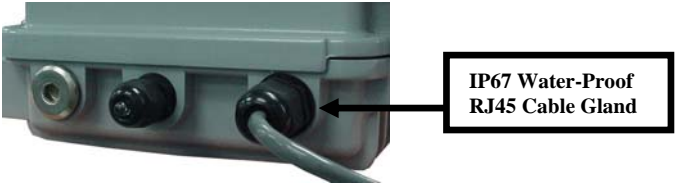

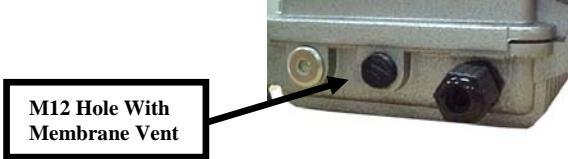
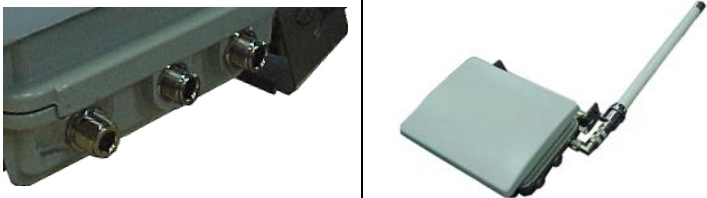

### Ordering Configurations\*\*\*

CODES	DEFAULT/OPTIONAL	DESCRIPTION
WPMA-24G14	-	WPMA Enclosure (IP66) with 14dBi "G" Band Antenna
WPMA-5G17	-	WPMA Enclosure (IP66) with 17dBi "A" Band Antenna
WPM-RJ45-CON	Default	RJ45 Cable-Gland (IP67)
WPM-LED4B	Default	Blue LED <ul style="list-style-type: none"> <li>• Applicable to both WPM and WPMA series</li> <li>• For Power LED, Antenna Alignment LED or other purposes.</li> </ul>
WPM-IPEX-NM	Optional	IPEX to N-type (Male) RF Cable
WPM-CB54	Optional	Carrier Board for WP54 PCBA
WPM-MBV	Optional	Membrane Vent <ul style="list-style-type: none"> <li>• Allows the free passage of gases and vapors, equalizing the pressure differential between the enclosure and ambient environments. Water, dust and dirt are repelled, thereby protecting expensive and sensitive electronics.</li> </ul> (Note: Adding of Membrane vents would need to remove the WPM-LED4B)

\*\*\* Configurations are subjected to change without notice

Please contact Compex sales representatives for other available configurations  
 Default = Items that will be included in WPMA-24G14, WPMA-5G17

## Special Features

Features	Illustrations
<p><b>Weather-Proof Casing (IP66)</b></p>	
<p><b>Water-Proof Cable Gland for RJ45 Interface (IP67)</b></p>	
<p><b>LED</b></p>	
<p><b>M12 Hole With Membrane Vent (Optional)</b></p> <p><small>*Note: Adding of Membrane Vent would replace the LED</small></p>	
<p><b>N-Type Connectors for External Antenna (Optional)</b></p>	
<p><b>Integrated 17dBi 'A-Band' Antenna OR Integrated 14dBi 'G-Band' Antenna</b></p>	

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PM Industrial Building  
Singapore 368363

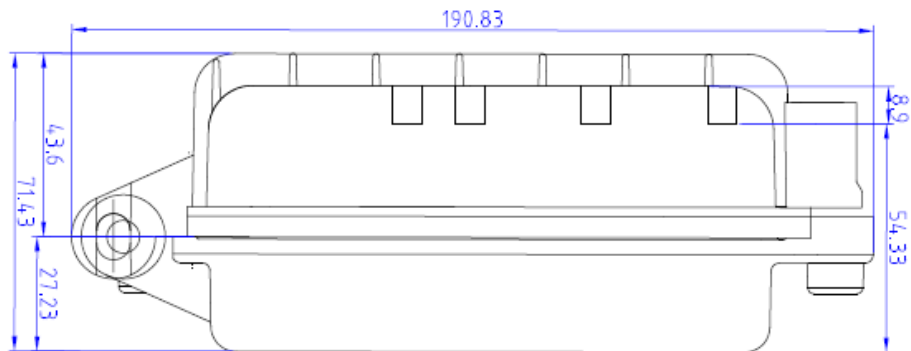
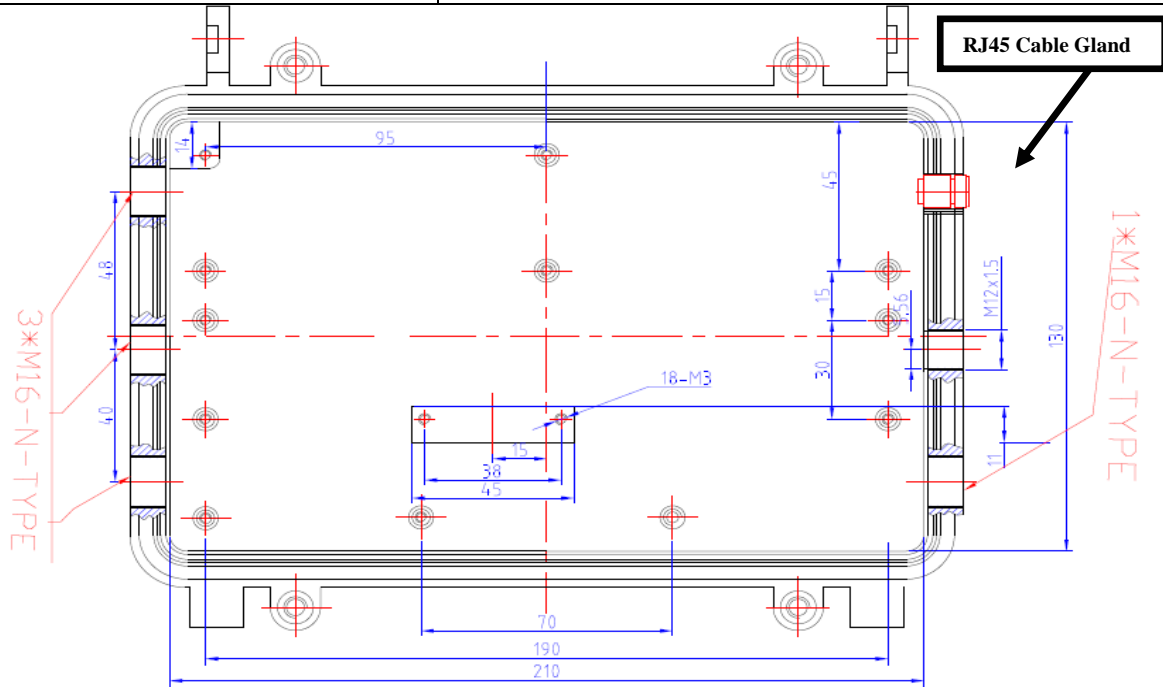
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**Inside View (Bottom):**  
**(Interior Dimensions:**  
**210mm x 130mm x 48mm)**



**Detailed Dimension**

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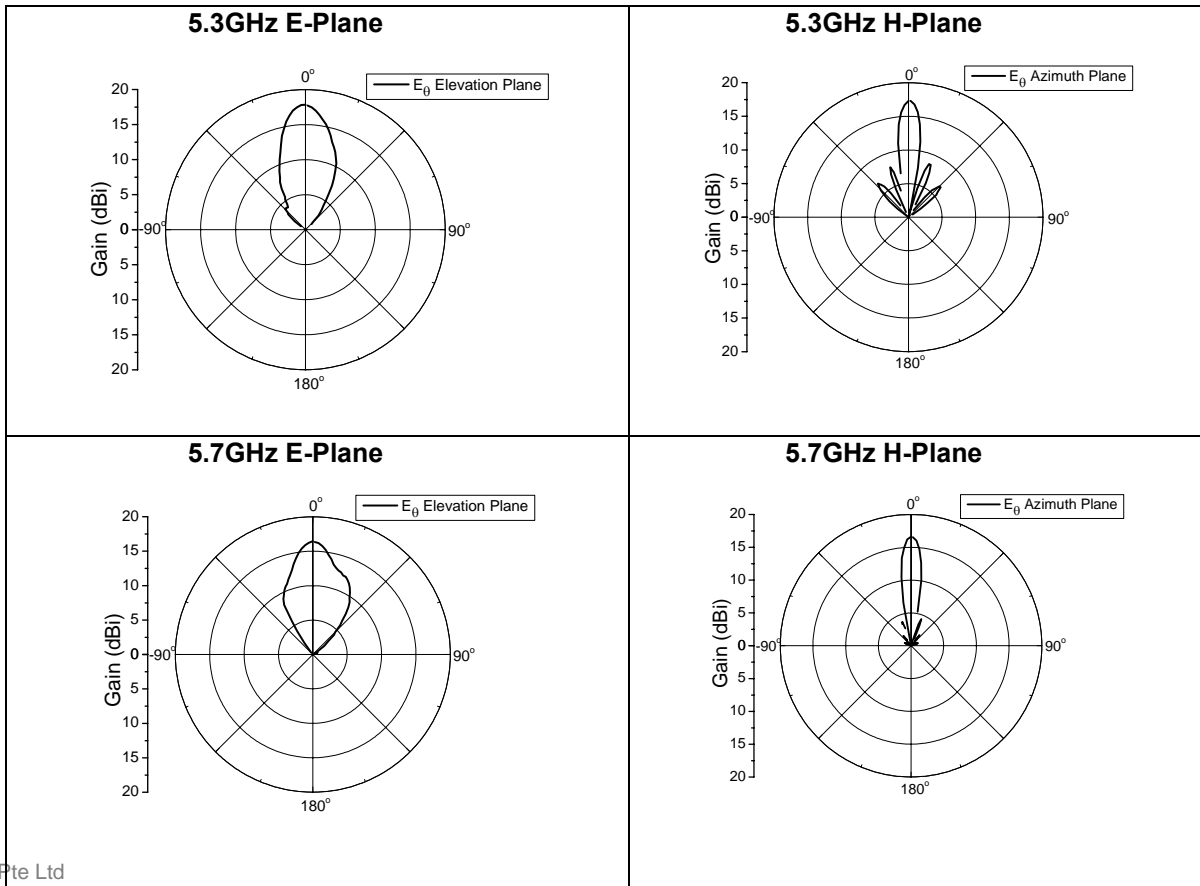


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# 17dBi 'A-Band' Antenna SPECIFICATIONS

## GENERAL INFORMATION

GAIN	17dBi
SWR	$\leq 12$ dB from 5.1GHz to 6GHz
RADIATION	Directional
IMPEDANCE	50 $\Omega$
FREQUENCY RANGE	5 to 6 GHz
POLARISATION	Vertical
HORIZONTAL -3dB BEAMWIDTH	13 Degrees
VERTICAL -3dB BEAMWIDTH	25 Degrees



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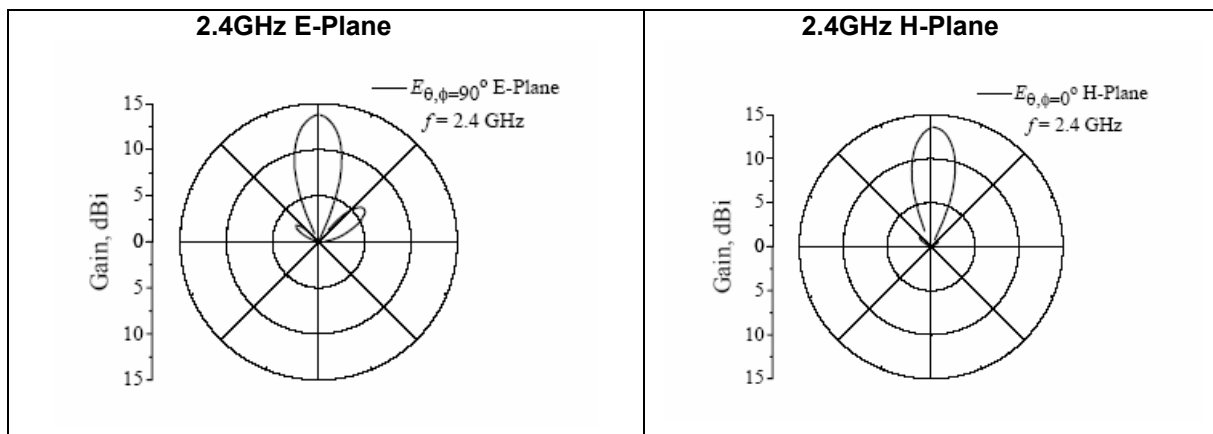


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# 14dBi 'G-Band' Antenna SPECIFICATIONS

## GENERAL INFORMATION

GAIN	14dBi
SWR	$\leq 12$ dB for 2.4GHz
RADIATION	Directional
IMPEDANCE	50 $\Omega$
FREQUENCY RANGE	2.4GHz
POLARISATION	Vertical
HORIZONTAL -3dB BEAMWIDTH	28.8 Degrees
VERTICAL -3dB BEAMWIDTH	28.8 Degrees



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