





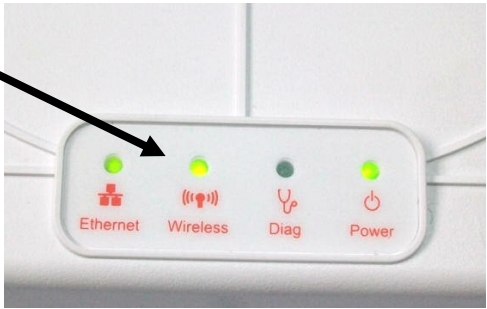
Outdoor Solution


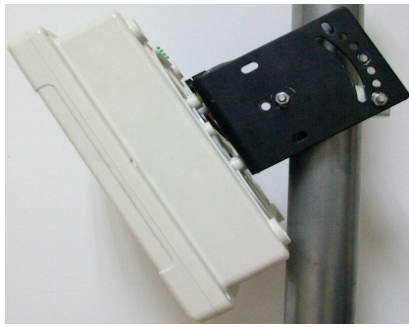
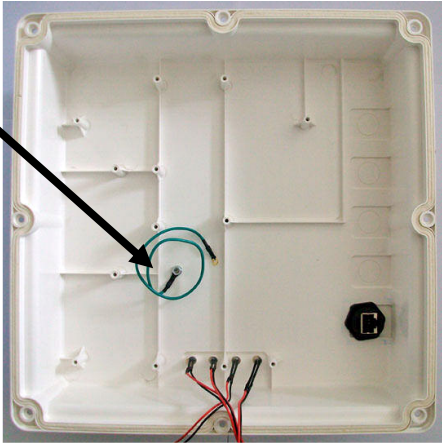
MIMOStation MMS

Enclosure Specifications ^①

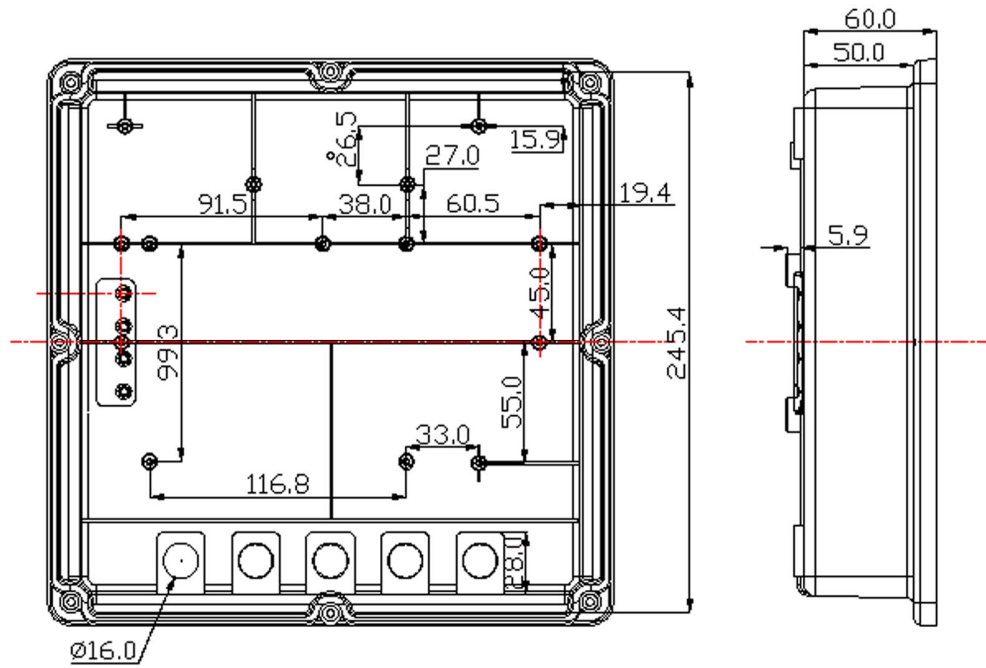
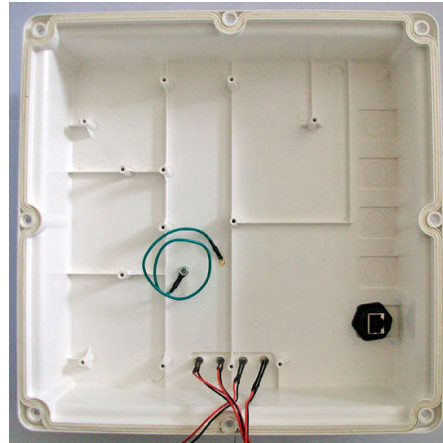
Enclosure Material	ABS VO
Enclosure Color	White
Weight	Approx. 1.2Kg
Outside Dimensions	257mm x 257mm x 86mm
Inside Dimensions	236mm x 236mm x 60mm
Integrated Antenna	Integrated dual polarization grid antenna
Ethernet connectivity	CAT5 with waterproof cable gland
Connector	4 x N-Type Connector (Optional) ^② 1 x M12 Hole with Membrane Vent (Optional) ^②
Rating of Casing	IP67
Mounting	Pole Mount or Wall Mount
Ground Terminal	Build in Ground Terminal

MMS with integrated 14dBi/ 16dBi Antenna

Features	Illustrations
Enclosure	
Waterproof Cable Gland for RJ45 (IP67) & N-Type Connector for External Antenna (Option)	<p data-bbox="523 907 785 996">Waterproof Cable Gland</p> <p data-bbox="523 1041 766 1131">N-Type Connector</p> 
LED (Ethernet/Wireless /Diag/Power indicators)	<p data-bbox="528 1395 793 1485">LED</p> 

<p>Swiveling of Antenna</p>	 <p>Swivel Up (Max 25 °)</p>	 <p>Swivel Down (Max 25 °)</p>
<p>Ground Terminal</p>	 <p>Ground Terminal</p>	

**Inside View
(Bottom):**



Specifications for 14dBi 2.4GHz Antenna

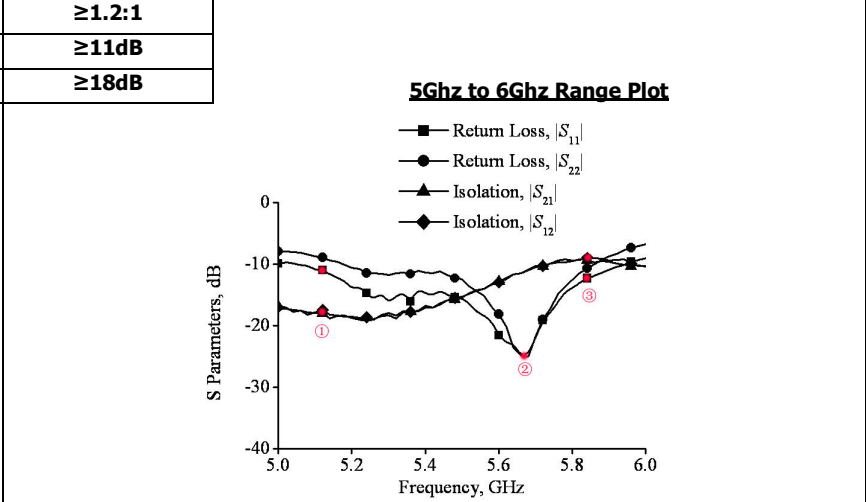
Gain	14dBi	
Radiation	Directional	
Frequency Range	2.4-2.5 GHz	
Polarization	Dual – Polarization	
Horizontal -3dB Beamwidth	30 degrees	
Vertical -3dB Beamwidth	30 degrees	
Front-to-Back Ratio	>25 dB	
VSWR	$\geq 1.22:1$	<div style="text-align: right; margin-bottom: 5px;">2.2Ghz to 2.8Ghz Range Plot</div>
Return Loss	$\geq 10\text{dB}$	
Port to Port Isolation	$\geq 17\text{dB}$	
Return Loss & Isolation Plot		
Radiation Pattern	<div style="text-align: right; margin-bottom: 5px;"> Azimuth-Plane, Co-pol Elevation-Plane, Co-pol <i>f</i> = 2.45 GHz </div>	

Specifications for 16dBi 5GHz Antenna

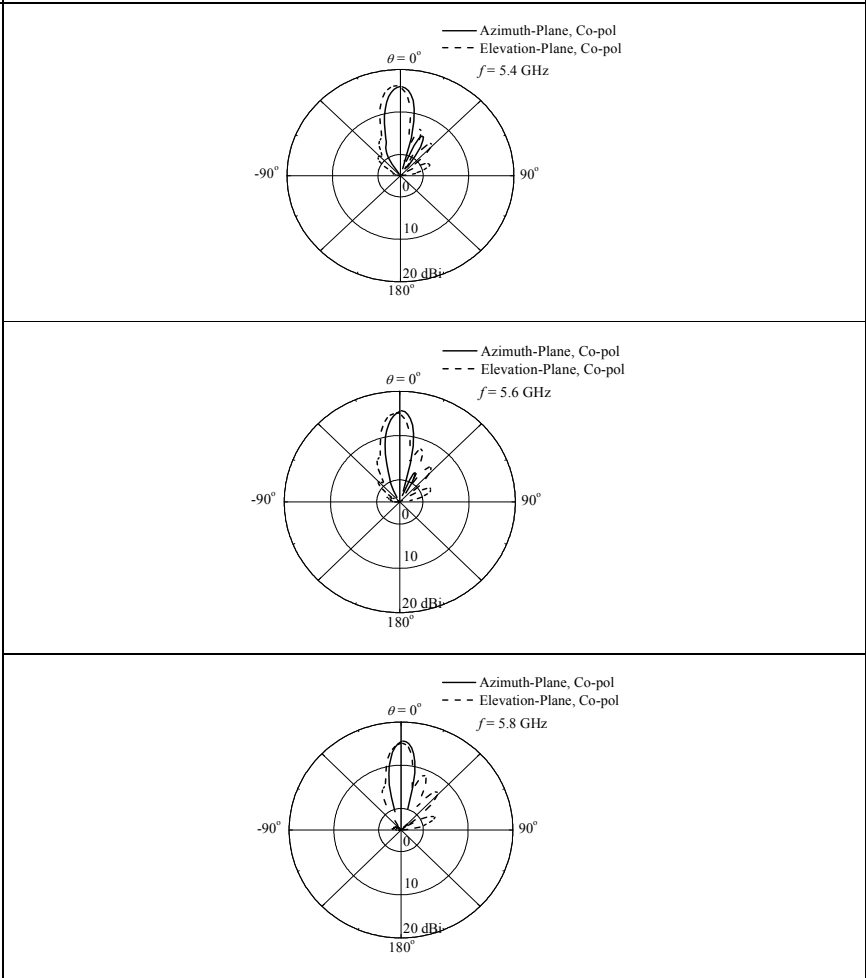
Gain	16dBi	
Radiation	Directional	
Frequency Range	5.45-5.85 GHz	
Polarization	Dual – Polarization	
Horizontal -3dB Beamwidth	18 degrees	
Vertical -3dB Beamwidth	18 degrees	
Front-to-Back Ratio	>25 dB	

VSWR	≥1.2:1
Return Loss	≥11dB
Port to Port Isolation	≥18dB

Return Loss & Isolation Plot



Radiation Patterns



MME Enclosure Matrix^③

Model Name	Pre- Config Enclosure	16dBi Antenna	14dBi Antenna	1 x N-Type Connectors	4 x N-Type Connectors	Vented Enclosure	Ground Terminal	Enclosure Size
MME-5G16	✓	✓					✓	257 mm x 257 mm x 86mm
MME-2.4G14	✓		✓				✓	
MME-RJ45CG-1N	✓			✓			✓	
MME-RJ45CG-4N	✓				✓		✓	

Ordering Configurations^④

Code	Integrated Antenna	MME Enclosure	Board	Radio card	Radio Output	Carton Dimensions
MMS N2-20	14dBi 2.4GHz	MME-2.4G14	PCBA-WP543	WLM200N2	20dBm	For 5 pcs/carton, 0.72m*0.36m*0.36m/0.006=16KG
MMS N2-26	14dBi 2.4GHz	MME-2.4G14	PCBA-WP543	WLM200N2-26	26dBm	
MMS NX-18	16dBi 5GHz	MME-5G16	PCBA-WP543	WLM200NX	18dBm	
MMS N5-26	16dBi 5GHz	MME-5G16	PCBA-WP543	WLM200N5-26	26dBm	

① Specifications are subjected to change without notice

② Item is not provided in default package

③ MME is the abbreviation of MIMO Enclosure.

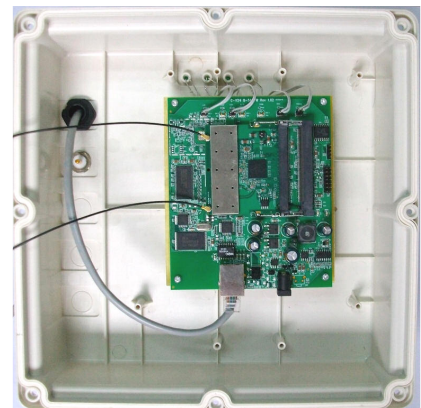
④ Please contact Compex sales representative for other available configurations

MMS Configuration Example

MIMO Station with Compex WP543 Access Point

- WP543 CPU host board
- Compex WLM series 11N wireless cards
(WLM200N2, WLM200N5-26, WLM200N2-26)
- 4 x LED cable
- 1 x RJ45 Cable gland
- 2 x SMA Connector Cable with Ufl (default) /MMCX
- 1 x N type connector(Maximum 4 x)^②
- 16dBi 5GHz Antenna or 14dBi 2.4GHz Antenna

Note: Real products may be different from reference design shown here.
Please contact Compex sales representative for customization.



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