



## RACKOM 9U-IP65 Outdoor Cabinet Detailed Product Description

**IP65 Enclosure provides complete protection against ingress of dust and protection against water through low pressure jet, rain drops to enter in the cabinet in limited quantity**

Place of Origin: Faridabad Haryana (India)	Cabinet Height: 9U (For Dimension please see Below)
<b>Brand Name: RackOm</b>	Structure: Welded Structure, With Sealant , EPDM IP Gasket, Locking Provision
Product Part Number Included : <b>RSIP65-0901,RSIP65-0902, RSIP65-0903, RSIP65-0904</b>	Cabinet Layout: one compartment, for installing 19" equipment
Product Name: Outdoor Junction Box/rack/Cabinet/Enclosure	Cabinet Lock: Knob Lock, Pad Lock ( Three Point lock Optional)
Certification: ISO9001,ISO 14001, ISO 18001, ISO 27001, IEC 60529-IP65, IEC 62321-RoHS	<b>Protection Level: IP65</b>
Application: Outdoor Telecom, CCTV Surveillance, Safe City Projects, Defense Projects, City Wi-Fi,Network Etc.	Cable Entry: at cabinet bottom Through PG Glands, (Wallmax, Roxtec Cable Entry Sealing is Optional)
Material: Galvanized Steel	Illumination: AC230V, DC48V LED Lamp Optional ( On Requirement) With Door Limit Switch
Heat Insulation:- Optional (on Requirement)	Grounding Protection: Copper Stud Wire ( Copper bar is optional)
Color: Light Grey RAL 7035 (support custom made)	Cooling:Not Applicable in IP65
Coating: anti-corrosion outdoor powder coating Pure Polyester	Accessories Options: PDU, Equipment Mounting Cage Nuts, (environment monitoring system is Optional)

### 9U-IP65 Dimensions Datasheet

Product Part No.	Height in U	Overall Height	Usable Height	Overall Width	Usable Width	Overall Depth	Usable Depth
<b>RSIP65-0901</b>	9U	500mm	9U-400 mm	600mm	482.6mm (19 Inch)	300mm	280mm
<b>RSIP65-0902</b>	9U	500mm	9U-400 mm	600mm	482.6mm (19 Inch)	400mm	380mm
<b>RSIP65-0903</b>	<b>9U</b>	500mm	9U-400 mm	600mm	482.6mm (19 Inch)	500mm	480mm
<b>RSIP65-0904</b>	9U	500mm	9U-400 mm	600mm	482.6mm (19 Inch)	600mm	580mm

## Technical Parameters

Item	Type	Technical Parameter
	Layout & Mounting	One compartment, Pole & Wall Mountable, Floor Mount
	Equipment Installation Method	19" standard rack
	Door	With one front door With Lock (support padlock)
	Material	1.Galvanized steel; 2.Single wall, thickness of : 1.2mm, thickness of Mounting Angles:1.5mm ( Higher Thickness is Optional if Required)
	Structure	Assembled, Welded Constructions,
	Ingress Protection	IP65
Temperature Control	Cooling	AC220V 90 CFM Dual Fan ( four Fan Optional if Required)
Lighting	LED lamp	AC230 V or DC 48V LED lamp- Optional
Temperature	Temperature	Working Temperature: -40°C ~ +55°C
		Storage Temperature: -50°C ~ + 70°C
		Transport Temperature: -50°C ~ +70°C
Humidity	Relative Humidity	5% ~ 100%
Pressure	Air Pressure	62kpa ~ 101kpa (similar to 0m ~ 5000m altitude)
Radiation Intensity	Solar Radiation Intensity	1124 × (1±5%)W/m <sup>2</sup>

### Application Scope

The Outdoor Cabinet is mainly used in communication base station, such as 4G system, communication/network integrated service, and access/transmission switching station, emergency communication/transmission, CCTV Surveillance, City Surveillance, Traffic Monitoring, City Wi-Fi Projects, Fiber Termination and Defense Projects like Smart Fencing & Surveillance etc.

### Cabinet Introduction /Cabinet Material

The cabinet is made of galvanized steel, with double walls, thickness of outer plate: 1.5mm, thickness of inner plate: 0.8mm. There are heat insulation between inner wall and outer wall. The insulation material is 40mm PEF. The cabinet is assembled type.

### Cabinet Structure

The cabinet is equipment cabinet, including 19" equipment installation rack

### Cabinet Door and Lock

The cabinet Have Single Door With One Side Hinged and Other Side Locking . The door opening angle is larger than 110°. The lock Knob type, padlock Provision available.

### Features

The cabinet is dustproof, sunproof and rainproof, which is used in outdoor environment.

The cabinet cooling uses Forced Air Cooling through Dual Fan of 230V 180 CFM

The layout of the cabinet is reasonable, which will facilitate cable access, fixing and grounding. At the bottom of the cabinet, there are entrance holes individually for power cable, signal cable and optical cable.

All the cables, sealing and heat insulation used in the cabinet are made from flame retardant materials.

The cabinet uses assembled structure, easy for installation.

The cabinet includes 19" standard installation rack.

### Technical Specs

- Applicable environment conditions:
- Environment temperature: -20°C ~ + 65°C
- Environment humidity (RH): ≤95% (at + 40°C)
- Air pressure: 62kPa ~ 102kPa
- Material: good quality galvanized steel
- Surface treatment: degreasing, derusting, rustproof phosphating (or galvanizing), powder coated.
- Cabinet load bearing: ≥45-50kg

Disclaimer: Racks Dimensions are as per Rackom Design only, however Dimensional Customization is supported as per project need, RACKOm do not Suggest or recommend IP65 Cabinets (which are without ventilation for hot air dissipation and fresh air suction filter) For Active Components unless those are not industrial grade, Rackom also cannot be held responsible if any active components Hanging issue, heating issue or de-functioning inside cabinet after installation. Dust, Rain Drop & Insects, rodents can be enter into cabinet if cabinet door not locked properly.