



## **RACKOM 12U-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: 12U (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>RSIP65-1201- RSIP65-1204</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, 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, Equipment Shelf (environment monitoring system is Optional) |

### Technical Parameters

| Item                | Type                          | Technical Parameter   |
|---------------------|-------------------------------|---|
|                     | Layout & Mounting             | One compartment, Pole & Wall Mountable  |
|                     | Equipment Installation Method | 19" standard rack   |
|                     | Door                          | With one front door With Lock (support padlock)   |
|                     | Material                      | 1.Galvanized steel;<br>2.Single wall, thickness of : 1.0mm or 1.2mm, thickness of Mounting Angles:1.5mm |
|                     | Structure                     | Assembled, Welded Constructions,  |
|                     | Ingress Protection            | IP65  |
| Temperature Control | Cooling                       | Not applicable for IP65 (Fan Can be mount for hot air outlet only With compromised IP65 Rating)         |
| 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>   |

## 12U-IP65 Dimensions Datasheet

| <b>Product Part No.</b> | <b>Height in U</b> | <b>Overall Height</b> | <b>Usable Height</b> | <b>Overall Width</b> | <b>Usable Width</b>  | <b>Overall Depth</b> | <b>Usable Depth</b> |
|-------------------------|--------------------|-----------------------|----------------------|----------------------|----------------------|----------------------|---------------------|
| RSIP65-1201             | 12U                | 650mm                 | 12U-533 mm           | 600mm                | 482.6mm<br>(19 Inch) | 300mm                | 250mm               |
| RSIP65-1201A            | 12U                | 650mm                 | 12U-533 mm           | 600mm                | 482.6mm<br>(19 Inch) | 350mm                | 300mm               |
| RSIP65-1202             | 12U                | 650mm                 | 12U-533 mm           | 600mm                | 482.6mm<br>(19 Inch) | 400mm                | 350mm               |
| RSIP65-1202A            | 12U                | 650mm                 | 12U-533 mm           | 600mm                | 482.6mm<br>(19 Inch) | 450mm                | 400mm               |
| RSIP65-1203             | 12U                | 650mm                 | 12U-533 mm           | 600mm                | 482.6mm<br>(19 Inch) | 500mm                | 450mm               |
| RSIP65-1203A            | 12U                | 650mm                 | 12U-533 mm           | 600mm                | 482.6mm<br>(19 Inch) | 550mm                | 500mm               |
| RSIP65-1204             | 12U                | 650mm                 | 12U-533 mm           | 600mm                | 482.6mm<br>(19 Inch) | 600mm                | 550mm               |

**Please Note:**

- These are Standard U Racks With EIA 310/ DIN 41494 - 19" Standard Equipment Mounting
- Dimensions are Given for Single Skin/Wall Outdoor Cabinets
- Rackom Standard Cabinet Sheet thickness is 1.0mm or 1.2mm Galvanized Steel (For Pole Mount) With 80-120 Micron Pure Polyester Powder Coating
- All IP66 Cabinets are Without Fresh Air Intake Filters and Without Cooling FANS, However Cooling Fans Can be installed (if permitted by the User) For Only hot air Vent From Cabinet with Compromised IP66 Rating
- Pictures shown in datasheet are only for Understanding actual product may vary from actual Product or as per Project requirement
- For Coastal areas or marine applications we have different Product range



#### 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, Smart Cities 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 Single Skin galvanized steel of 1.0mm/1.2mm (double walls/Skin thickness of outer Sheet: 1.2/1.5mm, thickness of inner Sheet: 0.8mm). There are heat insulation between inner wall and outer wall. The insulation material is 30mm-50mm 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, sun proof and rainproof, which is used in outdoor environment.

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.

The cabinet uses assembled structure, easy for installation.

The cabinet includes 19" standard installation rack. (Customized Cabinets can be made as per project requirement)

#### 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, de-rusting, 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 IP66 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.