

# RWC7100A

## RF Shielding Enclosure



### APPLICATION

The RWC7100A RF shielding enclosure offers excellent shielding effectiveness of over 100dB within a wide operating frequency range of 400MHz to 6.4GHz, so that the effects of external interference are reduced to a minimum. It is very suitable for measuring radiation of the various products in development, production line and QC applications where high accuracy is required as shown below

- LTE, NB-IoT devices (700MHz, 2-6GHz)
- LoRa, Sigfox devices (400MHz, 900MHz, 2.4GHz)
- WiFi devices (2.4GHz, 5.8-6.2GHz)
- Bluetooth devices (2.4GHz)
- GNSS devices(1.2-1.6GHz)

### FEATURES

#### Triple contact shielding structure

It guarantees stable shielding characteristics in wide frequency range up to 6.4GHz

#### Internal Absorber

It provides more stable internal RF test condition

#### Easy maintenance

Users can easily replace shield gaskets manually

#### Various IO modules provided

Users can easily replace any IO modules manually

#### Antenna can be mounted on the lid

It provides users with more stable test environment

#### A torque hinge applied

### SPECIFICATIONS

#### Shielding Characteristics

It is measured with blank panels mounted. (Unused IO ports must be covered with caps, and please use shielded cables to ensure shielding effectiveness.)

Shield Effectiveness	Frequency
≥ 100 dB	400MHz to 6.4GHz

#### Miscellaneous

##### Dimension W x D x H mm (inches)

- Interior : 260 x 190 x 100 (10.2" x 7.5" x 3.9")
- Exterior : 355 x 270 x 185 (14.0" x 10.6" x 7.3")
- Packing : 450 x 350 x 270 (17.7" x 13.8" x 10.6")

##### Weight

- Product : approx. 8.5 kg
- Packing : approx. 10.5 kg

### ORDERING INFORMATIONS

Order Code	Descriptions
<b>C7100A-00</b>	RWC7100A RF Shielding Enclosure - Manual method to open/close the door from the top - Select three IO modules based on user usage
<b>O7100A-91</b>	EMI Shielding Gasket Set for maintenance - 1 x Mesh Gasket, 2 x Foam Gaskets
<b>O7100A-92</b>	C8201A-00 Wide-band Right Hand Circular Antenna Set - Mounted on the lid of RWC7100A - Frequency Range: 500MHz to 8.5GHz - External Output Port: N(F)
<b>O7100A-93</b>	C8201A-01 Wide-band Left Hand Circular Antenna Set
<b>5600-1000</b>	Blank Module, Type A
<b>5640-1000</b>	USB 3.0 Fiber Interface Module, Type A - 1 x USB3.0 only (not backward compatible) - 1 x DC IN (V In: DC 5V to DC 18V, Vout 5V@6A)
<b>5600-2000</b>	Blank Module, Type B
<b>5630-1000</b>	RF N Type Module, Type B - 2 x N(F) outside to SMA(F) inside
<b>5630-2000</b>	RF SMA Module, Type B - 2 x SMA(F) outside to SMA(F) inside
<b>5640-2000</b>	D-Sub 9Pin Module, Type B - DB 9P(M) outside to DB 9S(F) inside 5,000pF Pi Filter
<b>5640-1100</b>	IO USB 3.0 to 2.0 HUB - Dimensions (W x D x H mm): 94 x 63 x 22 - 1 x USB 3.0 to 1 x USB 2.0 and 3 x USB 3.0 - 1 x DC IN (12V to 24V)

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All specifications are subject to change without notice.