



Docking Station Kit

GD11

User Guide



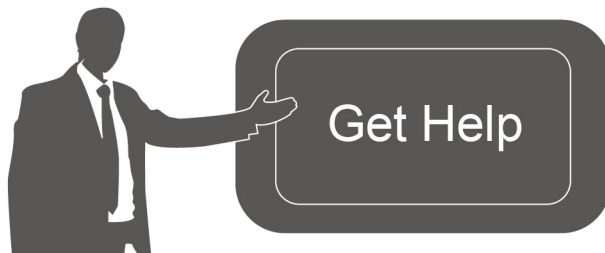
Safety Precautions

Milesight will not shoulder responsibility for any loss or damage resulting from not following the instructions of this operating guide.

- ❖ The device must not be disassembled or remodeled in any way.
- ❖ Do not place the device outdoors where the temperature is below/above operating range. Do not place the device close to objects with naked flames, heat source (oven or sunlight), cold source, liquid and extreme temperature changes.
- ❖ The device must never be subjected to shocks or impacts.
- ❖ Do not power off the device when it's upgrading or formatting, or it will cause operation system error.

Copyright © 2011-2023 Milesight. All rights reserved.

All information in this guide is protected by copyright law. Whereby, no organization or individual shall copy or reproduce the whole or part of this user guide by any means without written authorization from Xiamen Milesight IoT Co., Ltd.



For assistance, please contact

Milesight technical support:

Email: iot.support@milesight.com

Support Portal: support.milesight-iot.com

Tel: 86-592-5085280

Fax: 86-592-5023065

Address: Building C09, Software Park III,
Xiamen 361024, China

Revision History

Date	Doc Version	Description
Jan. 17, 2023	V 1.0	Initial version

Contents

1. Product Introduction	4
1.1 Overview	4
1.2 Features	4
1.3 Specifications	4
2. Hardware Introduction	5
2.1 Packing List	5
2.2 Hardware Overview	5
2.3 Dimensions(mm)	6
3. Power Supply	6
4. Installation	6
5. App Development	7

1. Product Introduction

1.1 Overview

Docking station kit GD11 is mainly designed for DS7610 IoT Display to achieve interactive collaboration with screen operations.

1.2 Features

- Plug-and-play Type-C power supply and bidirectional power supply available
- Provides easy installation, flexible mounting options, and specialized design to hide wires
- Support extra DI/DO/RS485 industrial serial ports via optional docking station
- Provide SDKs to develop and install 3rd-Party Android applications on DS7610 to allows to customize systems
- Built-in LED indicator to know working status

1.3 Specifications

Data Interfaces

IO

Ports	1 × DI + 1 × DO
Connector	3.5 mm Terminal Block
Digital Input	Dry contact, Galvanic Isolation
Digital Output	SPDT Relay Contact Rating: 3A@DC Max: 30 V or AC Max: 250 V

Serial Port

Port	1 × RS485
Connector	3.5 mm Terminal Block
Terminal Resistor	1 × 120 Ω Resister Switch
Baud Rate	1200~115200 bps
Mode	DTU Transparent

USB

Ports	2 × Type-C Ports
USB Port 1	Power supply connector
USB Port 2	1. Data transmission between docking station and DS7610 2. Bidirectional power supply connector

Others

Reset Button 1 × Reset Button (Internal)

LED Indicator 1 × Power

Physical Characteristics

Power Supply 5 VDC by USB Type-C Port

Color & Material Black, PC+ABS

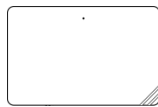
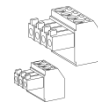
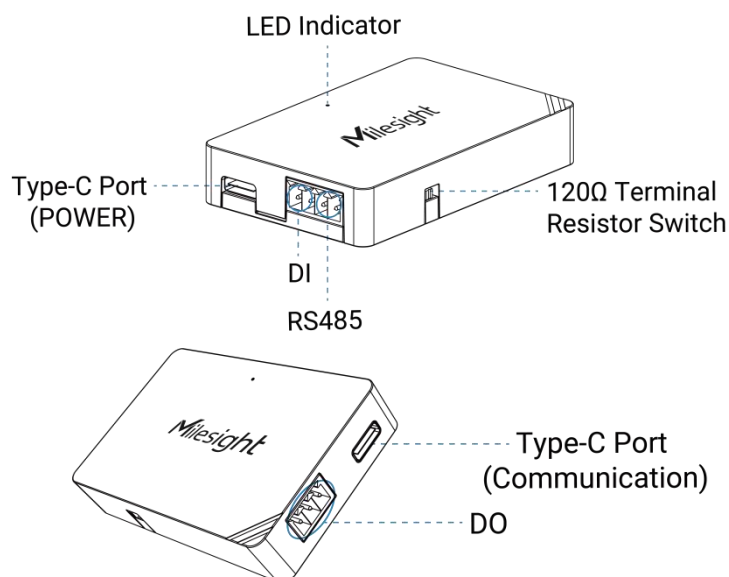
Ingress Protection IP30

Operating Temperature -20°C to +50°C (-4°F to +122°F)

Relative Humidity 0% ~ 95% (non-condensing) at 25°C/77°F

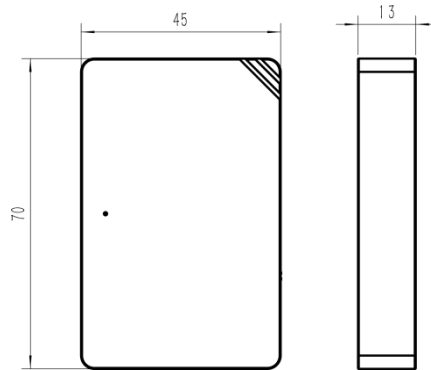
Dimensions 70 × 45 × 13 mm (2.75 × 1.77 × 0.51 in)

Installation Desktop, Wall Mounting

2. Hardware Introduction**2.1 Packing List**1 × Docking
Station1 × Type-C Cable
(2m)2 × Wall
Mount Screw Kits2 × Terminal
Blocks**If any of the above items is missing or damaged, please contact your sales Representative.****2.2 Hardware Overview**

120 Ω Terminal Resistor Switch: the device will add a 120 Ω termination resistor to avoid data-corrupting reflections if RS485 data rate is high or cable length is long.

2.3 Dimensions(mm)



3. Power Supply

Docking station can be powered via both Type-C ports. Choose one of the following methods to power up the IoT Display.

- **Powered by a POWER Type-C port**



Connect type-C(POWER) port to 5VDC power supply. In this way, the docking station can also be used to power DS7610 via another type-C port.

- **Powered by DS7610**

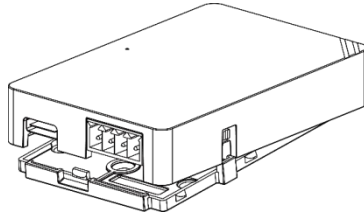


Connect DS7610 to docking station via type-C port (communication) to provide the power supply.

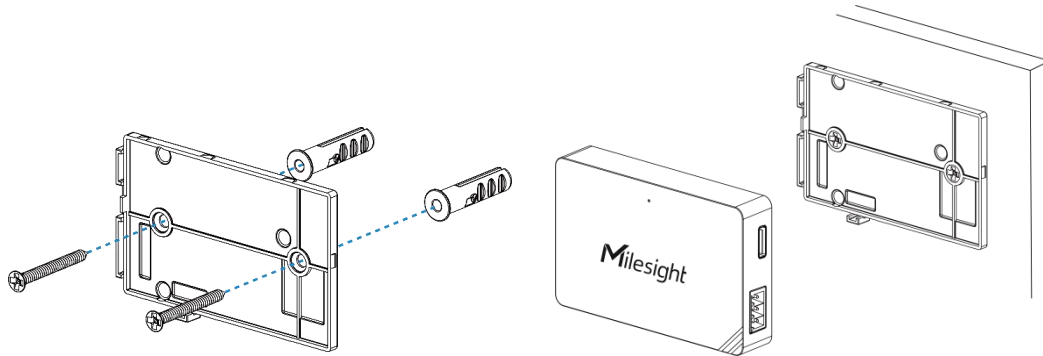
4. Installation

The docking station can be placed on a desktop or mounted onto a wall.

1. Take off the back cover, and fix the wall plugs into the wall according to the drilling position as referred.



2. Screw the cover on the mounting positions and install back the device.



5. App Development

Milesight provides Developer API document to allow DS7610 to use this docking station:

<https://github.com/Milesight-IoT/DS7610-SDK>

Before using docking station kit on DS7610, ensure the DS7610 firmware version is 72.0.0.5-r2 and later.

-END-