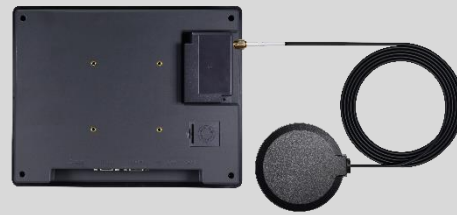# WEINTEK

# M02

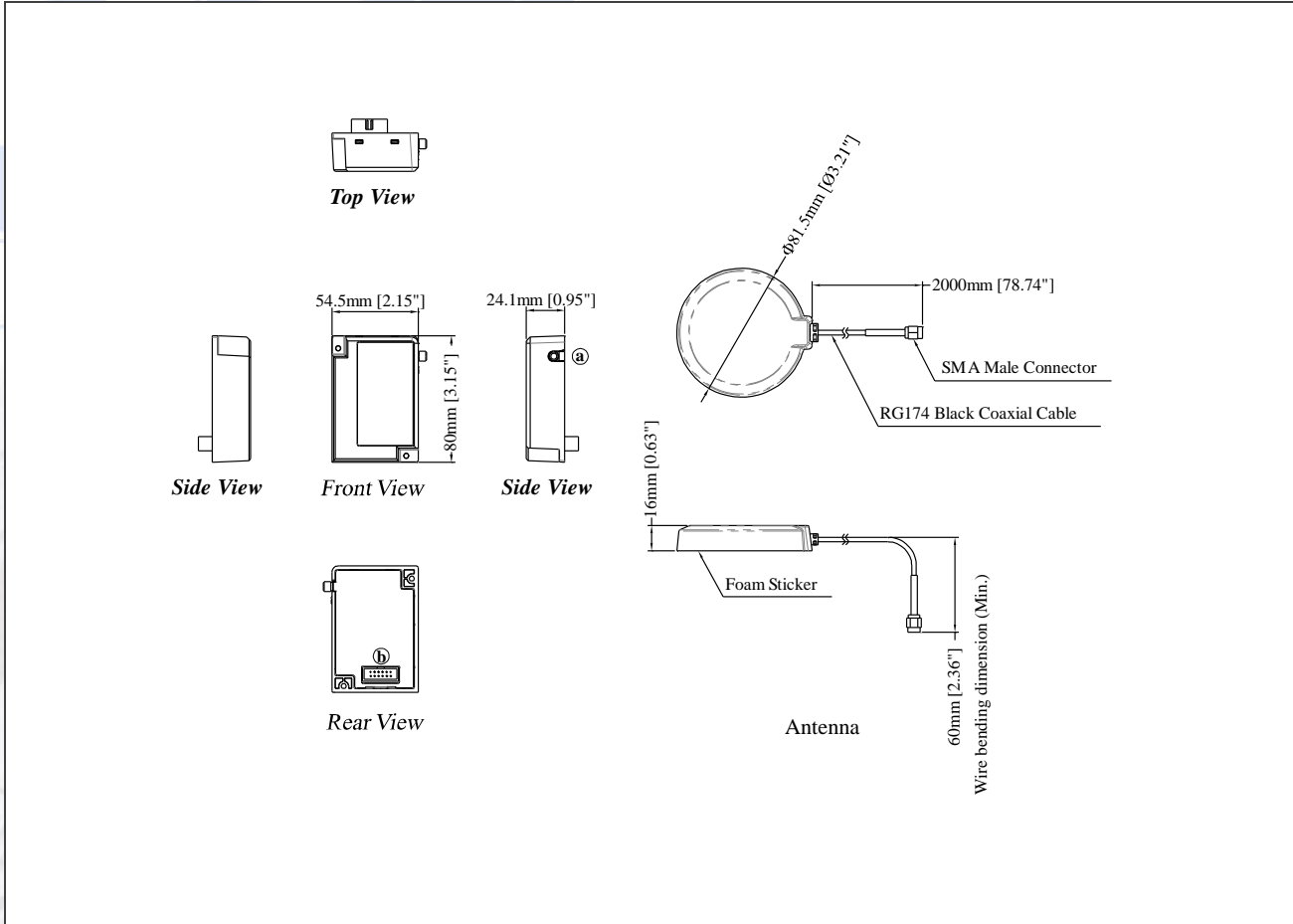## IIoT Expansion Module – Wi-Fi

### Feature

- Build up your own IIoT solution with expanding wireless connectivity.
- Supports Wi-Fi standards: IEEE 802.11b/g/n.
- Compact design that can be seamlessly installed alongside the HMI.
- Equipped with magnetic/adhesive mount antenna that can be installed anywhere suitable for maximizing signal strength.
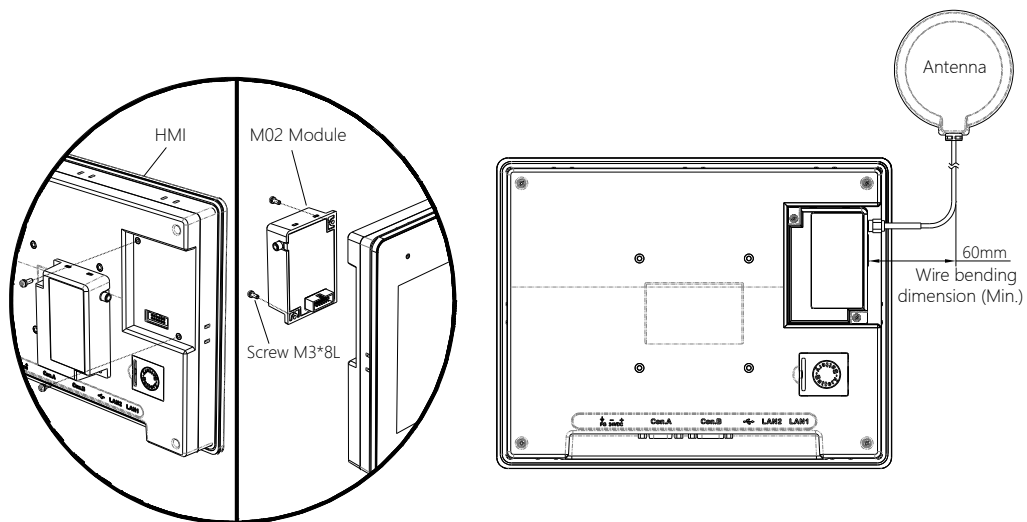
Demo for use with HMI
(HMI needs to be purchased separately)

| Category | Item | Value |
|---|---|---|
| **Network** | Ethernet/Wi-Fi protocol | IEEE 802.11b IEEE 802.11g IEEE 802.11n |
| **I/O Port** | SMA Female Connector | 1 |
| | Male Connector to HMI | 1 |
| **Power** | Input Power | 5VDC |
| | Power Consumption | 900mA@5VDC (powered by HMI) |
| | Voltage Resistance | 500VAC (1min.) |
| | Isolation Resistance | Exceed 50MΩ at 500VDC |
| **Specification** | PCB Coating | N/A |
| | Enclosure | Plastic |
| | Dimensions WxHxD | 54.5 x 80 x 24.1 mm |
| | Weight | Approx. 80 g |
| | Mount | HMI connector + diagonal screw fastening |
| **Environment** | Protection Structure | M02: IP20 Compliant Antenna: IP66 Compliant |
| | Storage Temperature | -20° ~ 60°C (-4° ~ 140°F) |
| | Operating Temperature | 0° ~ 50°C (32° ~ 122°F) |
| | Relative Humidity | 10% ~ 90% (non-condensing) |
| | Vibration Endurance | 10 to 25Hz (X, Y, Z direction 2G 30 minutes) |
| **Certificate** | CE | CE marked |
| **Software** | | EasyBuilder Pro |

## Dimensions

*Top View*

*Side View*     *Front View*     *Side View*

54.5mm [2.15"]     24.1mm [0.95"]

80mm [3.15"]

ⓐ

*Rear View*

ⓑ

φ81.5mm [Φ3.21"]

2000mm [78.74"]

SMA Male Connector

RG174 Black Coaxial Cable

16mm [0.63"]

Foam Sticker

*Antenna*

60mm [2.36"]
Wire bending dimension (Min.)

## Installation

HMI     M02 Module

Screw M3*8L

Antenna

60mm
Wire bending
dimension (Min.)

| a. | SMA Female Connector |
|----|----------------------|
| b. | Male Connector to HMI |

## Ordering Information

❑ **M02:** IIoT Expansion Module – Wi-Fi

❑ **RZ0W00100 (included in package):** Magnetic/Adhesive Mount Antenna 2.94dBi, IP66, SMA Male connector, wire length: 2000mm