



## RE6100 Communicator

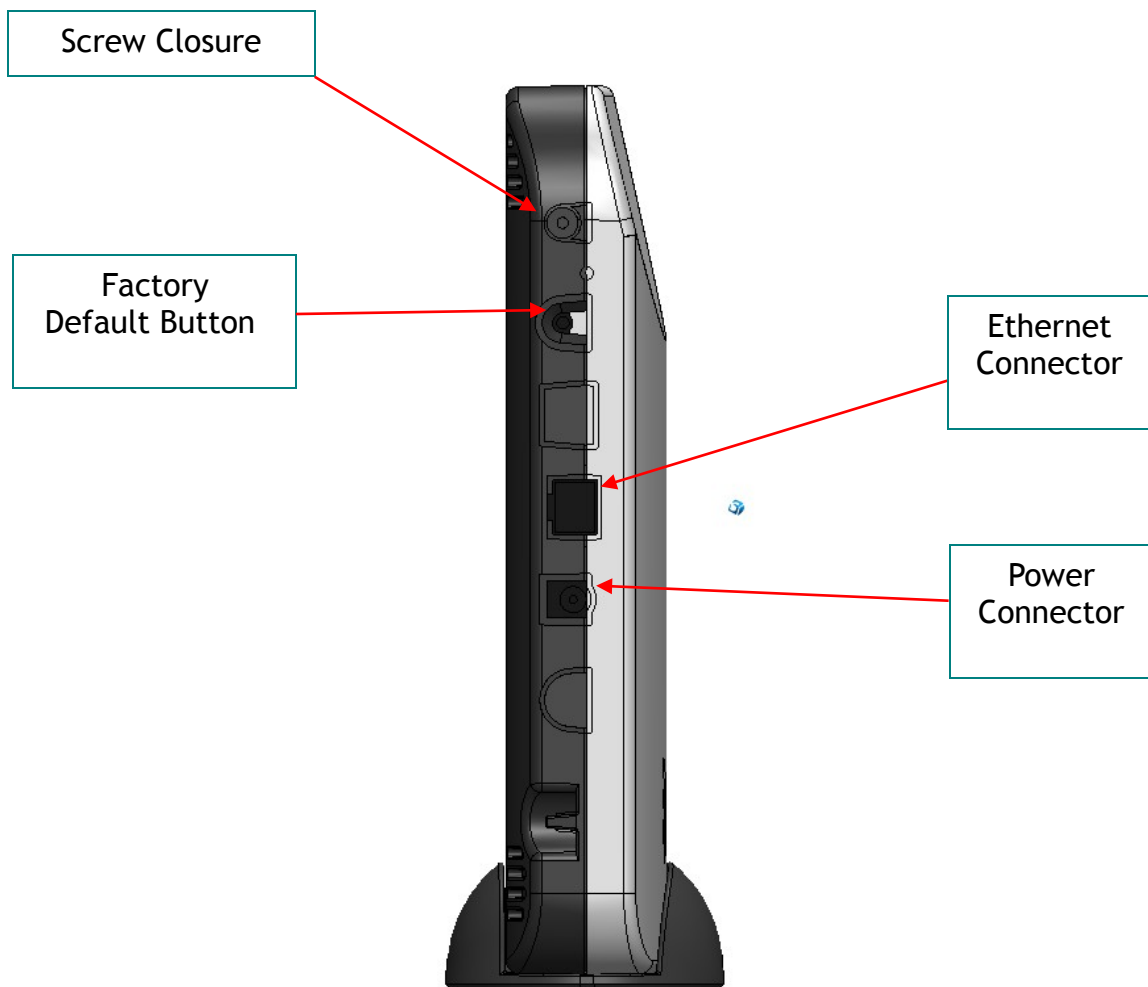
### Features

- Main communicator hub in system
- Receives and processes data from Resolution narrow-band and Bluetooth LE sensors
- Communicates to server over IP link
- Standard ethernet port
- Optional WiFi or Cellular communication options
- 24 hour battery backup
- Wall mount and shelf/desk bracket option
- LED Status available on front panel

### Operation

The RE6100-P is a hardened, battery-backed unit that serves as the main communication hub of the system. It receives and intelligently processes Resolution sensor data. The aggregated sensor data is then communicated to the Server over an ethernet, WiFi, or cellular data link.

## Back Panel



## Factory Default Button

Press and hold for 5 seconds: Resets the board and keeps all settings

Press and hold for 10 seconds: Reverts board back to the factory default settings

## Front Panel



LEDs	Indication
Power	ON when the unit is powered and running
Comm	ON when communications interface is connected (IP address assigned for WiFi/Ethernet, or connected to GSM network for GSM)
CS	Unused (off)
Platform	ON when connected to Server
Status	Unused (off)
Trouble	Unused (off)
RF	Flashes for every wireless packet received
Open	Unused (off)

## Specifications

Current Draw:	120 mA Nominal
Temperature Range:	0F to 120F
Power Supply	12VDC, 1A
Battery	6.0V NiMH Rechargeable
Battery Life	24 hours
Ethernet	10/100Base-T
WiFi	802.11b/g with WPS Support
Cellular	3G CDMA 1xRTT
Narrow-Band Receiver	433.92MHz, 150kHz BW, Spatial Diversity
Nominal NB Sensor Range	600m
Bluetooth Mode	Bluetooth Smart/LE, Spatial Diversity
Nominal Bluetooth Range	100m

Specifications subject to change without notice.

## Notices

### Warranty

Resolution Products, Inc. will replace products that are defective in their first five (5) years.

### FCC Notice

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference.
- (2) This device must accept any interference that may be received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the Resolution Engineering, Inc. could void the user's authority to operate this equipment.

**FCC ID: U5X-RE6100**

Device may contain one or more of the following:

**FCC ID: W7OMRF24WGOMAMB**

**FCC ID: RI7CE910-DUAL**

**FCC ID: QJSMU509C**

**FCC ID: U5X-RE934Z**

When using one or more of these options, a distance of 20cm to the user should always be maintained.

### IC Notice

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions:

- (1) This device may not cause interference, and
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

- (1) l'appareil ne doit pas produire de brouillage, et
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi,

même si le brouillage est susceptible d'en compromettre le fonctionnement.

**Model: RE6100**  
**IC: 8310A-RE6100**

**Device may contain one or more of the following:**

**IC: 7693A-24WG0MAMB**

**IC: 5131A-CE910DUAL**

**IC: 6369A-MU509C**

**IC: 8310A-RE934Z**

**When using one or more of these options, a distance of 20cm to the user should always be maintained.**