



SERVICE MANUAL

IB-3700 Lite RF STATION

IB-3700 Lite

Tentative Edition

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Screen displays, operating procedures and supporting features might vary with different software version releases.

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ii) Safety Information

The operator of the equipment shall comply with the safety and warning indications and procedures outlined in this document. DIGI SINGAPORE PTE LTD assumes no responsibility or liability for failure to comply with these requirements.

- Repair and servicing of product, shall only be carried out by trained and qualified personnel.

Disclaimer:

Specifications are subject to change without notice. All dimensions shown are approximate. Please be aware that DIGI SINGAPORE has indicated that its hardware and software used in the product may require additional updates in the future as our product is continually under development. The need for such updates most likely applies to the Printer software.



CAUTIONS:

FOR PLUGGABLE EQUIPMENT, THAT THE SOCKET-OUTLET SHALL BE INSTALLED NEAR THE EQUIPMENT AND SHALL BE EASILY ACCESSIBLE.

**POUR LE MATÉRIEL RACCORDÉ PAR PRISE DE COURANT, LE SOCLE DE PRISE DE COURANT DOIT ÊTRE
INSALLÉ À PROXIMITÉ DU MATÉRIEL ET DOIT ÊTRE AISÉMENT ACCESSIBLE.**

FOR CONTINUED PROTECTION AGAINST RISK OF FIRE, REPLACE ONLY WITH SAME TYPE AND RATING OF FUSE.

POUR NE PAS COMPROMETTRE LA PROTECTION CONTRE LES RISQUES D'INCENDIE, REMPLACER PAR UN FUSIBLE DE MÊME TYPE ET DE MÊME CARACTÉRISTIQUES NOMINALES.

DANGER OF EXPLOSION IF BATTERY IS INCORRECTLY REPLACED. REPLACE ONLY WITH THE SAME OR EQUIVALENT TYPE RECOMMENDED BY THE MANUFACTURER. DISCARD USED BATTERIES ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS

IL Y A DANGER D'EXPLOSION S'IL Y A REMPLACEMENT INCORRECT DE LA BATTERIE. REMPLACER UNIQUEMENT AVEC UNE BATTERIE DU MÊME TYPE OU D'UN TYPE RECOMMANDÉ PAR LE CONSTRUCTEUR. METTRE AU RÉBUT LES BATTERIES USAGÉES CONFORMÉMENT AUX INSTRUCTIONS DU FABRICANT.

iii) Safety Regulations



Federal Communication Commission Interference Statement

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

This device may not cause harmful interference.

This device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy, and if it is not installed and used in accordance with the instruction manual, it may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference at his own expense.

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

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, and (2) this device must accept any interference received, including interference that may cause undesired operation.

IMPORTANT NOTE:

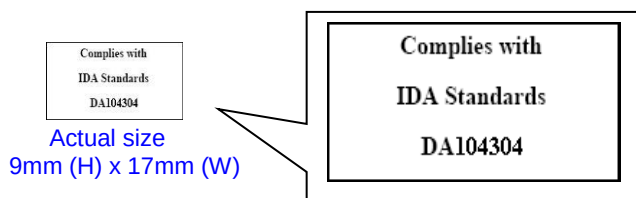
FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

IDA Compliance Statement: (Singapore)

This equipment registered to comply with IDA (Info-Communications Development Authority of Singapore) Standard under Dealer's Class License.



Industry Canada statement:

This device complies with RSS-210 of the Industry Canada Rules. Operation is subject to the following two conditions:

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

IMPORTANT NOTE:

Radiation Exposure Statement:

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment.

This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

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.*

Déclaration d'exposition aux radiations:

Cet équipement est conforme aux limites d'exposition aux rayonnements IC établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de 20 cm de distance entre la source de rayonnement et votre corps.

For Taiwan 警語:

經型式認證合格之低功率射頻電機，非經許可，公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。

低功率射頻電機之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。前項合法通信，指依電信法規定作業之無線電通信。低功率射頻電機須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。

警告：為避免電磁干擾，本產品不應安裝或使用於住宅環境。

1. General

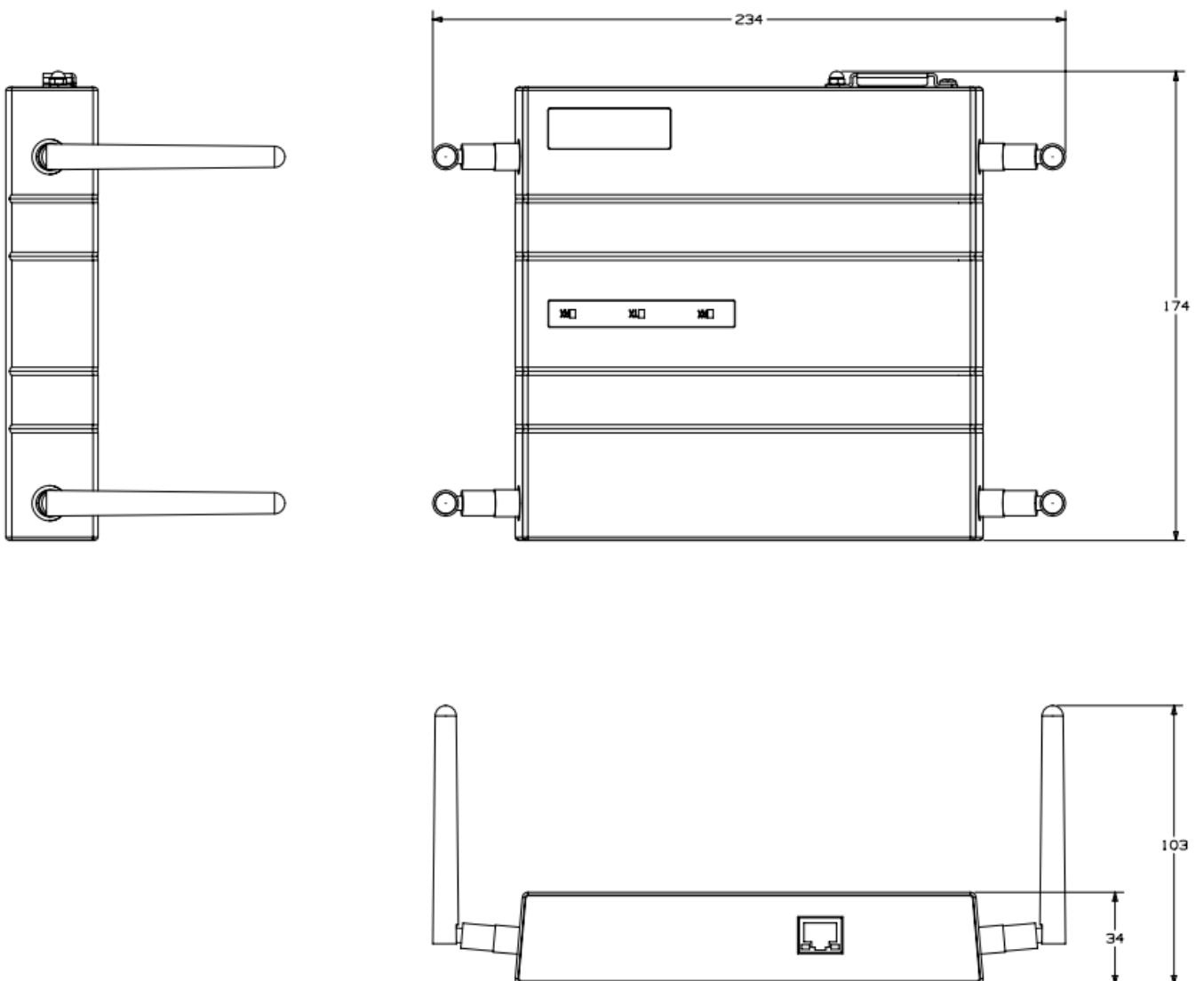
1.1 Model Specification

Model	:	IB-3700 Lite
Dimensions (in mm)	:	Body Casing - 185(L) x 174(W) x 34(H) Dimension (mm) With Upright Antenna - 234(L) x 174(W) x 103(H)
Color	:	White
LED (x3)	:	Red - RX (RF Receive status) Green - TX (RF Transmit status) Blue - LINK (Ethernet activity)
Antenna (x4)	:	Antenna Color (White) 2 x Transmit Data (TX) 2 x Receive Data (RX)
Weight	:	600g approx.
Operating System	:	Linux
Power Source	:	POE PLUS Port (48Volt DC) *Compatible with IEEE 802.3at
Operating Temperature	:	0°C to +50°C
Operating Humidity	:	85% Max. Non-condensing
I/O Interface	:	Ethernet 10/100 Base T
Housing Material	:	ABS Plastic (Top Case) + Aluminum Plate (Bottom Case)

1.2 DC Specification

Power Source	: External	: Ethernet Cable from POE Switch Port (48 Volt DC)
	: Internal	: NA
Operating Temperature	: 0°C to +50°C	
Humidity	: 85% Max. Non-condensing	

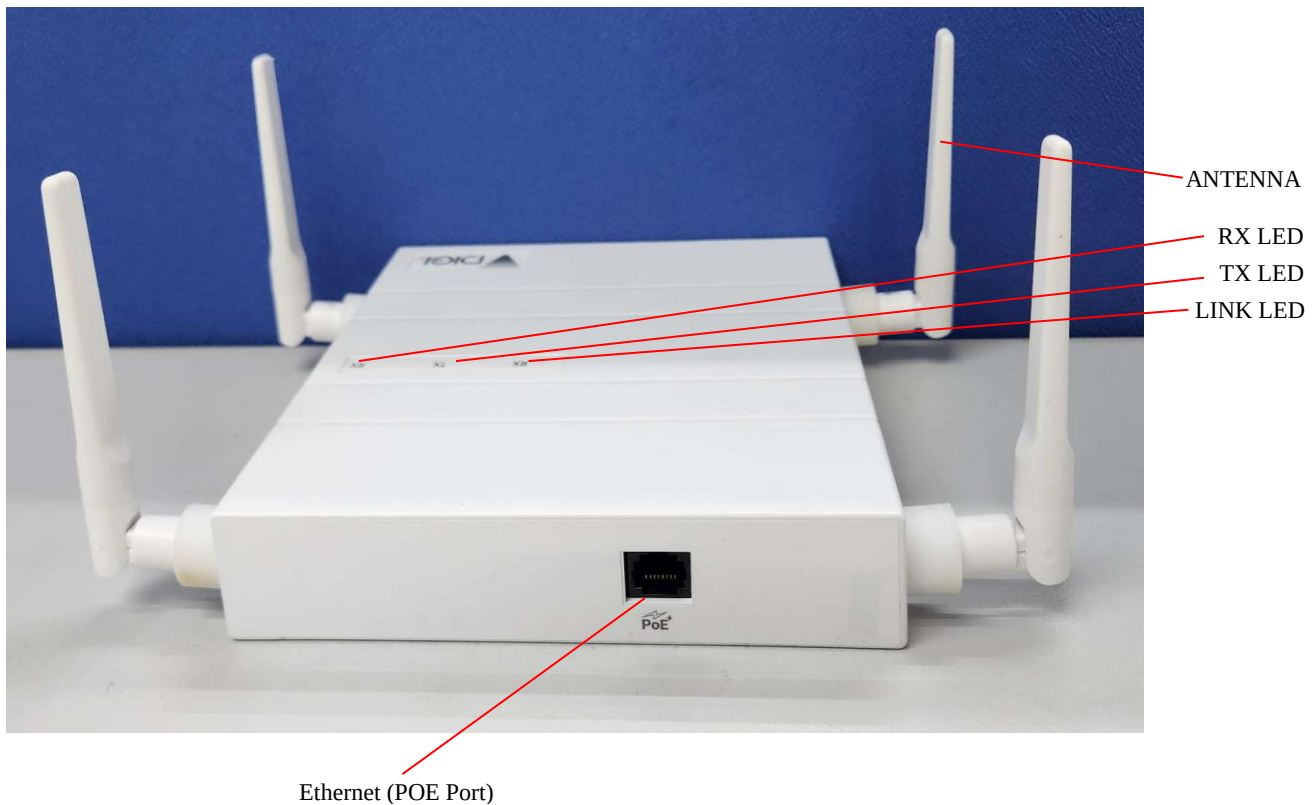
2. Dimension



3. Setup Diagram & Spec Setting

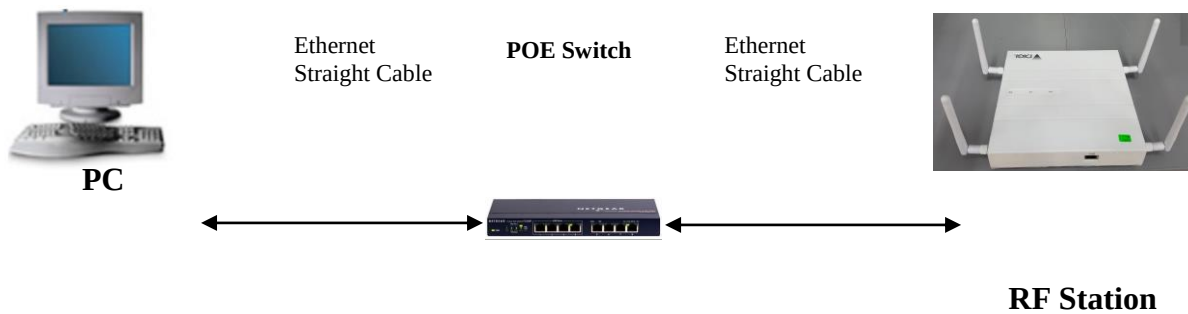
3.1 Setup Diagram

Front View

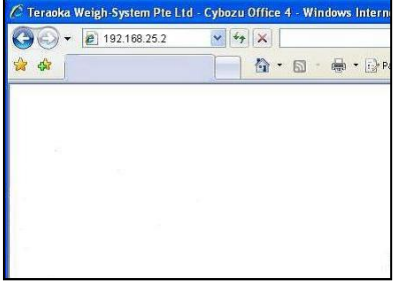


LED / BUTTON	Descriptions
TX LED (Green)	The indicator light is Blinking when Transmit Data
RX LED (Orange)	The indicator light will 'Toggle', when Receive Data
LINK LED (Blue)	The indicator light will 'Toggle', when Ethernet activity
Ethernet (POE Port)	- POE+ supply to power up IB-3700 Lite - LAN Connection

3.2 Setup Instruction



PROCEDURE	PICTURE
1) Double click open the [Internet Explorer] icon.	
2) In the Web Browser, key in the RF Station IP address [192.168.50.49] accesses to RF Station Setting main screen. Note: <i>192.168.50.49 is Default IP Address</i>	
3) In the RF Station Setting main screen, keying the new "IP Address" and "Network Mask" . After that click [Submit] to save change the setting. <i>Example New IP Address: 192.168.50.XXX</i> Note: <i>Click [Reset] will cancel the setting changed.</i>	
4) After finish new setting changed need to plug out the Ethernet cable from POE switches and then plug in again to implement the new setting.	

5) Repeat the Step 2, and keying the new IP Address to checking the setting is changed. Note: Ensure the PC IP Address is also change to under same network. (Example: 192.168.50.123)	

4. Revision Records

[illegible]