

Data Terminal(Collection Device) User Manual

Date. 2023. 07.19

CONFIDENTIAL

정보보안 수칙에 따라 다른 용도로의 반출을 금합니다.



Name of Each Part of Data Terminal(Collection Device)



NUMBER / NAME	EXPLANATION
1 Top Cover	LED lamp on/off during device operation
2 Side LED	Internet connection, data transmission check
3 Power Supply DC	Supply power to the device
4 RESET	Reboot your device
5 WIFI Dongle	Used when connecting to the Internet via WIFI
6 SD Card	Space to store device data
7 LAN	Used when connecting to the Internet via LAN
8 USB	Use when checking equipment
9 SIM	Used when connecting to the Internet with LTE

How to Install Data Terminal(Collection Device)



1. The Internet connection of the Data Terminal(Collection Device) is set to LTE by default.

USIM is open and inserted into the data collection device.

2. Connect the data collector power.

If the Top Cover LED and Side LED flash for several seconds during power connection and the Top Cover POWER, RUN, and Side LEDs are turned on when the boot is complete, the boot is completed normally.

3. Check your Internet connection.

The LTE LED on the Top Cover is illuminated for the function in which the user has selected the Internet connection method.

4. Check the status of the Data Terminal (Collection Device) LED display.

The POWER, RUN, LTE, and Side LEDs turn on when the normal boot is completed.



Data Terminal(Collection Device) Top Cover LED Functional Description



Data Terminal(Collection Device) Top Cover

TITLE	EXPLANATION	LED STATUS
POWER	Power supply	Always On
RUN	Device operation	Always On
COM	Communicate with the wireless composite sensor	Blinking when using the function, off when not in use
DATA	Communicate with the server	
WIFI	WiFi Communication	Blinking when using the function, off when not in use
LAN	LAN Communication	
LTE	LTE Communication	
NTP	Network Time Synchronization	Blinking when using the function, off when not in use
WFH	WIFI AP HOST Connection	
APP	APP Communication Connection	



Data Terminal(Collection Device) Side LED Function Description



BLUE (Normal Connection)



Yellow (Normal Connection)



Red (Disconnected)

LED STATUS	INTERNET CONNECTION STATUS	DATA TRANSFER STATUS
Blue always on	Normal Connection	Normal data sending/receiving status
Yellow always on	Normal Connection	Wireless Compose Sensor data not received within 24hours
Red always on	Disconnected	Unable to send data



Data Terminal(Collection Device) Specifications

SORTATION	EXPLANATION
Power supply adapter	AC Adapter 12V
Frequency of use	ZigBee : 2405 MHz ~ 2480MHz BLE : 2402 MHz~ 2480MHz LTE : B1 20Mhz, B3 20MHz, B7 20MHz, B20 20MHz WiFi : 2.4GHz(User dongle sold separately)



FCC Instruction

FCC Compliance Statement

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.

FCC Interference Statement

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 not installed and used in accordance with the instruction manual, 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.

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

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 20 cm between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Thank You!



5F DS Building 8, Dogok-ro 7-gil Gangnam-gu, Seoul, 06255, Korea

T. +82-2-508-6570 F. +82-2-508-6571 W. www.itofrom.com M. sales@itofrom.com

