# BioStation 3 INSTALLATION GUIDE

English EN 101.00.BS3.00



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# **Safety Precautions**

Please read this User Manual before using the product to ensure safe and correct use of the product so as to avoid personal injury or property damage. The product referred to in this manual includes all components provided with the main unit of the product.

## **Symbols**



Warning: Ignoring this warning may result in serious injury or death.



Caution: Ignoring this caution may result in minor injury, or damage to the product.



Information: This symbol is used to provide notes or additional information to the user.



### Warning

### **Installation**

Do not attempt to install or repair the product yourself.

- This may cause a fire, electric shock or injury.
- Free repair service is not available if the product is damaged after you attempt to carry out an unauthorized installation or repair yourself.

Do not install the product in a place where it will be exposed to direct sunlight, moisture, dust or soot, or in a place where there is a possibility of a gas leak.

• This may cause a fire or electric shock.

If installing the product outdoors, install it in a shaded and well-ventilated place.

If installing the product outdoors, do not use a fully closed-off enclosure.

• Direct sunlight may increase the internal temperature of the enclosure, which can result in a fire, electric shock, or product damage due to overheating.

Do not install the product in a place where heat is generated, such as by an electric heater, etc.

• This may cause a fire or electric shock due to overheating.

Do not install the product in a place exposed to moisture.

• This may cause electric shock or product damage due to moisture.

Do not install the product where there is electromagnetic interference.

• This may cause electric shock or product damage.



### Use

Be careful not to let liquids such as water, beverages, or chemicals get inside the product.

• This may cause a fire, electric shock or product damage.

Do not use a damaged power adapter or plug, or a loose outlet.

• Unstable connection may cause a fire or electric shock.

Do not bend with excessive force or damage the power cable.

• This may cause a fire or electric shock.



### **Installation**

Do not install the product in a place where it will be exposed to direct sunlight or ultraviolet rays.

• This may cause product damage, malfunction, discoloration, or deformation.

Do not leave power cables, etc. in passageways.

• This may cause personal injury or product damage.

Do not install the product near objects with strong magnetic forces such as magnets, TVs, (CRT) monitors, speakers, etc.

• This may cause malfunction.

When installing multiple devices, ensure they are at the minimum distance required between the devices.

• This may affect the RF and BLE performance of other devices and may cause malfunction.

Use an IEC/EN 62368-1 compliant power adapter suited to the device's power consumption. It is recommended to use a power adapter sold by Suprema.

• Failure to use an adequate power source may result in malfunction.

Always use separate power sources for the product, Secure I/O 2, and electric lock.

• Failure to do so may cause malfunction.

Avoid connecting the power supply and PoE.

• Failure to do so may cause malfunction.

For IP65 compliance, ensure you use a cable cover after connecting the product with the cable. When installing the product in a place completely exposed to the outdoor environment, it is recommended to use an enclosure.

• Poor waterproof/dustproof performance may cause malfunction.



### Use

Do not drop the product or subject it to impact or shock.

• This may cause malfunction.

Be careful not to interrupt power supply while firmware upgrade is in progress.

• This may cause malfunction.

Keep your password safe and change it periodically.

• Otherwise this could allow unauthorized access.

Do not press the buttons (touchpad) on the product with excessive force or with a sharp tool.

• This may cause malfunction.

Use the product at a temperature between -20°C and 50°C, and do not store it at temperatures that are too low or high.

• This may cause malfunction.

### Clean the product with care.

- Gently wipe the surface of the product with a clean, dry cloth.
- If the product needs to be disinfected, apply an appropriate amount of rubbing alcohol to a dry cloth and then gently wipe the surface. Use rubbing alcohol that contains 70–75% isopropyl alcohol as well as a soft, clean, and lint-free cloth.
- Do not spray disinfectant directly on the product.

Do not use the product for purposes other than those it is intended for.

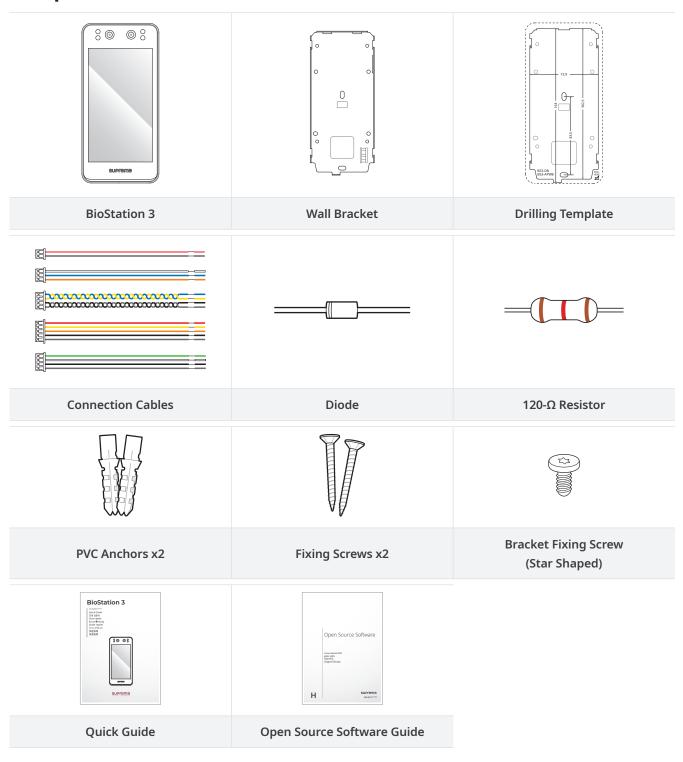
• This may cause malfunction.

### **RTC Battery**

Use of an unapproved or incorrect type of battery may result in a risk of explosion. Dispose of batteries in compliance with local or international waste disposal regulations.

# **Preparation**

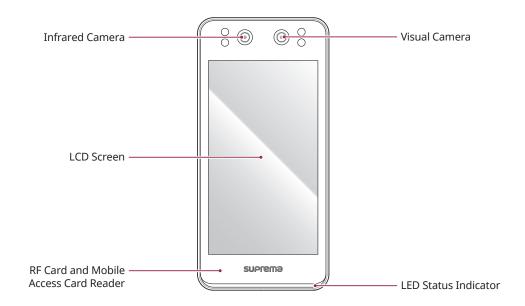
# **Components**

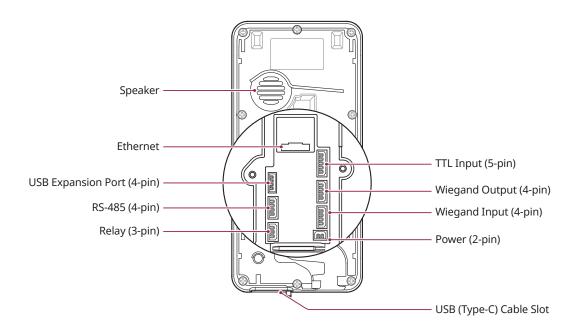




- The components may vary depending on the installation environment.
- When assembling the product with the bracket, you can use the Bracket Fixing Screw (Star Shaped) instead of the Fixing Screws for a more secure installation.
- To learn more about using this product, please visit the Suprema website (https://www.supremainc.com) and refer to the User Guide.

# **Part Names and Functions**





Name	Description	
Infrared Camera	Captures infrared images.	
Visual Camera	Captures actual images.	
LCD Screen	Provides the UI for actions.	
RF Card and Mobile Access Card Reader	Reads an RF card or mobile access card for access control.	
LED Status Indicator	Reads an RF card or mobile access card for access control.  Shows the operating status of the system.  Green: Authentication successful  Red: Authentication failed  Blue/light blue flashing: Normal operation  Blue/green flashing: No IP address received while DHCP is enabled  Blue/green flashing: Network settings initialized  Green flashing: Waiting for input  Green/white flashing: Connecting to Suprema AirFob Pass (BLE) application	

Name	Description
Speaker	Makes sounds for users to hear.
Ethernet	Connects the Ethernet cable.
TTL Input (5-pin)	Connects the TTL input cable.
USB Expansion Port (4-pin)	Exports a log stored on the device or connects to other accessories.
Wiegand Output (4-pin)	Connects the Wiegand output cable.
Wiegand Input (4-pin)	Connects the Wiegand input cable.
RS-485 (4-pin)	Connects the RS-485 cable.
Relay (3-pin)	Connects the relay cable.
Power (2-pin)	Connects the power cable.
USB (Type-C) Cable Slot	Connects the USB cable.

### **Cables and Connectors**

### **Power**



Pin	Name	Color
1	PWR +VDC	Red (white stripe)
2	PWR GND	Black (white stripe)

# Relay



Pin	Name	Color
1	RLY NO	White
2	RLY COM	Blue
3	RLY NC	Orange

### **RS-485**



Pin	Name	Color
1	485 TRXP	Blue
2	485 TRXN	Yellow
3	485 GND	Black
4	SH GND	Grey

# TTL Input



Pin	Name	Color
1	TTL INO	Red
2	TTL IN1	Yellow
3	TTL IN2	Orange
4	TTL GND	Black
5	SH GND	Grey

# **Wiegand Input**



Pin	Name	Color
1	WG D0	Green
2	WG D1	White
3	WG GND	Black
4	SH GND	Grey

# **Wiegand Output**



Pin	Name	Color
1	WG D0	Green
2	WG D1	White
3	WG GND	Black
4	SH GND	Grey

# **Facial Registration and Authentication**

### Cautions regarding facial registration

- When registering a face, keep a distance of 60–100 cm between the system and face.
- Be careful not to change facial expression.
- Do not wear a mask, hat, or eye patch.
- Do not register a face while wearing a mask. Registering both a masked face and a non-masked face may increase false recognition rates.
- Do not raise or lower your head.
- · Do not wear heavy makeup.
- · Do not close your eyes.
- Make sure both shoulders appear on the screen.
- Stand in front of the screen without moving while registering your face.
- Make sure that only one face appears on the screen. Register one person at a time.
- If you do not follow the instructions on the screen, facial registration may take a long time or may fail.

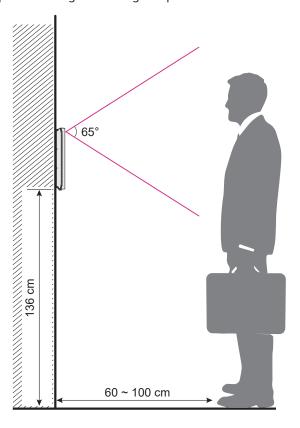
### Cautions regarding facial authentication

- Make sure your face appears in the center of the screen. When the position guide is shown, follow the on-screen instructions for facial authentication.
- If part of your face is covered by a hat, mask, sunglasses, eye patch, etc., facial authentication may fail. Ensure your
  faced is not covered, so the system can recognize your eyebrows and face.
- Try facial authentication at a distance of 60–100 cm from the system.
- Make sure both shoulders appear on the screen. If your shoulders are not even, facial authentication may fail. Stand in front of the screen without moving during facial authentication.

# **Installation**

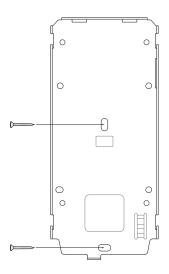
# **Mounting the Bracket and Product**

1 Decide where to mount the product using the Drilling Template.



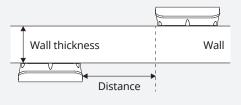


- It is recommended that the system be installed at a height of 136 cm.
- Do not install the system in a location where it will be exposed to direct sunlight or ultraviolet rays.
- Adjust the position of the system so that your face is not exposed to direct sunlight during facial authentication.
- (The minimum distance that consumers use the product is 20 mm or more. (20 mm or more distance from the antenna).
- **2** Mount the bracket securely using the Bracket Fixing Screw at the position where the BioStation 3 is to be installed.

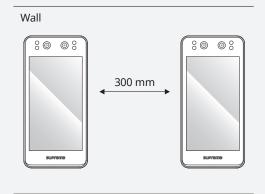




- When installing BioStation 3 on a concrete wall, drill a hole, insert a PVC Anchor, and then fix it with the Fixing Screw.
- Ensure there is a minimum separation distance to avoid RF interference.

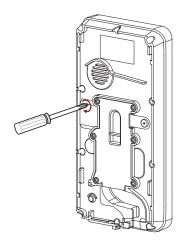


Wall thickness	Distance
100 mm	200 mm
120 mm	180 mm
150 mm	150 mm



• When using a mobile access card, ensure there is a distance of at least 1 meter between the devices to avoid BLE interference.

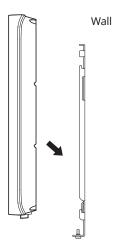
**3** After applying the cable cover, fix it securely by turning the six screws on the cover.



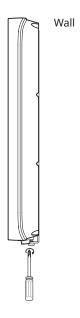


• For IP65 compliance, ensure you use a cable cover after connecting the product with the cable.

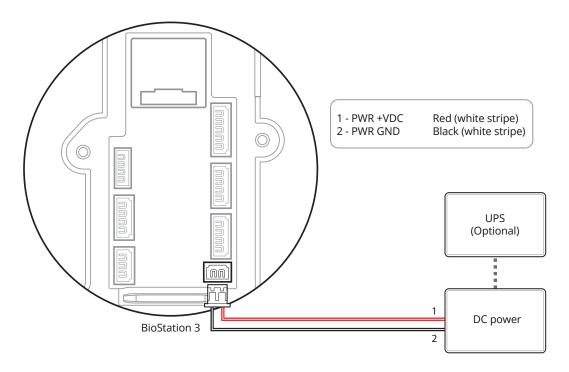
**4** Mount the BioStation 3 on the fixed bracket.



 ${f 5}$  Secure the BioStation 3 to the bracket with the BioStation 3 Fixing Screw.



# **Connecting to Power**





- Use an IEC/EN 62368-1 compliant power adapter suited to the device's power consumption. If you need to connect other devices to the power adapter, use an adapter with a current capacity greater than the sum of the power consumption of the system and the other devices.
- Be sure to use separate power sources for the Secure I/O 2, electric lock, and the product. Sharing a power source with other devices may cause malfunction.
- When connecting power, pay attention to the distance between BioStation 3 and the power supply. The system and the power supply should be as close as possible. The system may malfunction if not properly connected. If the system and power supply are far apart, it is recommended to use 16-AWG or 18-AWG cable. The connection distance available may vary depending on the size of the cable and the installation environment. BioStation 3 supports both 24 V DC and 12 V DC, so check the maximum extension length of the cable and ensure the power source is connected properly.

Cable Size	Maximum Extension Length		
	24 V DC	12 V DC	
16 AWG	150 m	50 m	
18 AWG	136 m	30 m	
20 AWG	90 m	20 m	

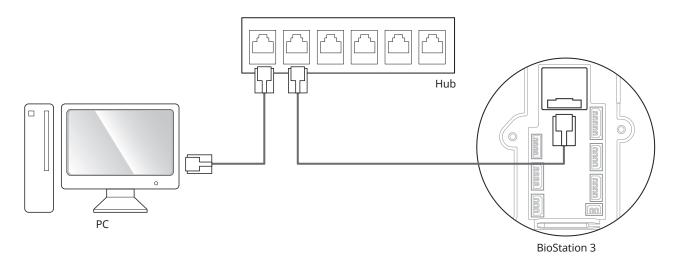
- When using a power adapter (24 V DC (± 10%), 2.5 A), do not arbitrarily extend the length of the power cable.
- Do not use CAT5 UTP 2-Wire cables for power supply.

# **Connecting to a Network**

### TCP/IP

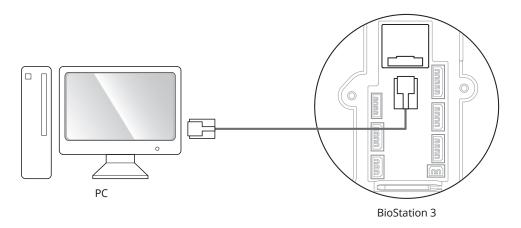
### LAN connection (to a hub)

Connect to the hub using a normal CAT-5 cable.



### LAN connection (directly to a PC)

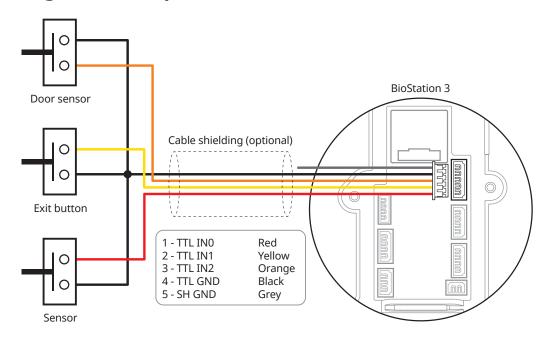
BioStation 3 supports automatic MDI/MDIX, so it can be directly connected to a PC with a crossover cable or a normal straight-type CAT-5 cable.





- See the information below when using a Gigabit Ethernet switch.
  - Use CAT-5e unshielded twisted pair (UTP) cable.
  - Use all 4 pairs (8 wires) for network connection.
  - Do not use some of the pairs or wires for other purposes.

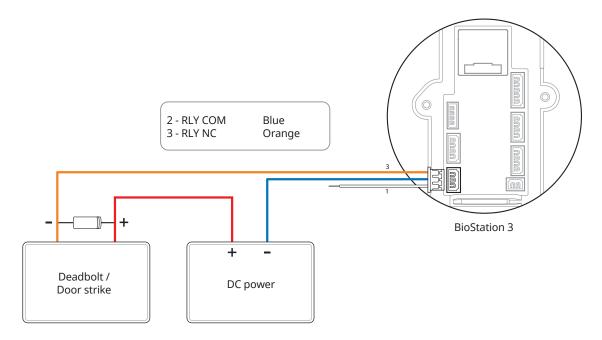
# **Connecting to a TTL Input**



## **Connecting to a Relay**

### **Fail Safe Lock**

To use the Fail Safe Lock, connect the N/C relay as shown below. While using the Fail Safe Lock, there is a current flowing through the relay circuit, and when the relay temporarily cuts off the current, the door will open. In case of power outage or system power loss due to external factors, the door will open.





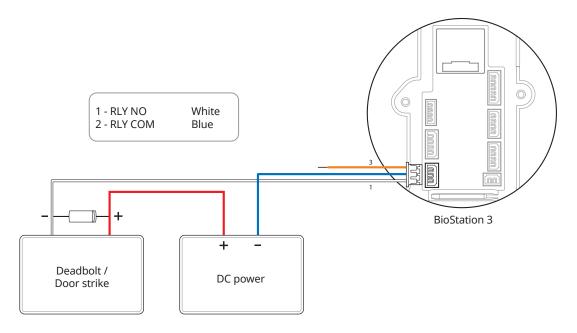
- To protect the relay from the reverse current generated when the lock is activated, install the diode on both sides of the lock wiring as shown in the illustration.
- Use separate power sources for BioStation 3 and the lock.
- For user convenience, Suprema's intelligent device has an independent built-in relay that can directly open or lock the door without a controller. However, for access control applications requiring enhanced security, it is recommended not to use the built-in relay, in order to prevent tampering that could potentially cause the door to be unlocked. When using such access control applications, please use a separate relay such as Suprema's Secure I/O 2, DM-20, or CoreStation installed in a safe location inside the door for lock control.



Pay attention to the orientation of the diode during installation. The diode should be close to the door lock.

### **Fail Secure Lock**

To use the Fail Secure Lock, connect the N/O relay as shown below. While using the Fail Secure Lock, there is no current flowing through the relay circuit, and when the relay allows the current to flow, the door will open. In case of power outage or system power loss due to external factors, the door will lock.



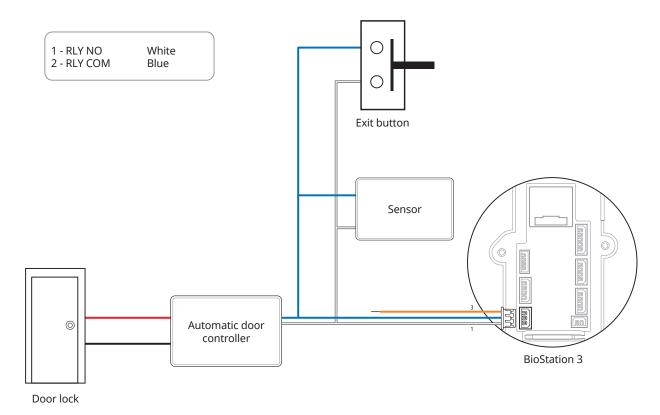


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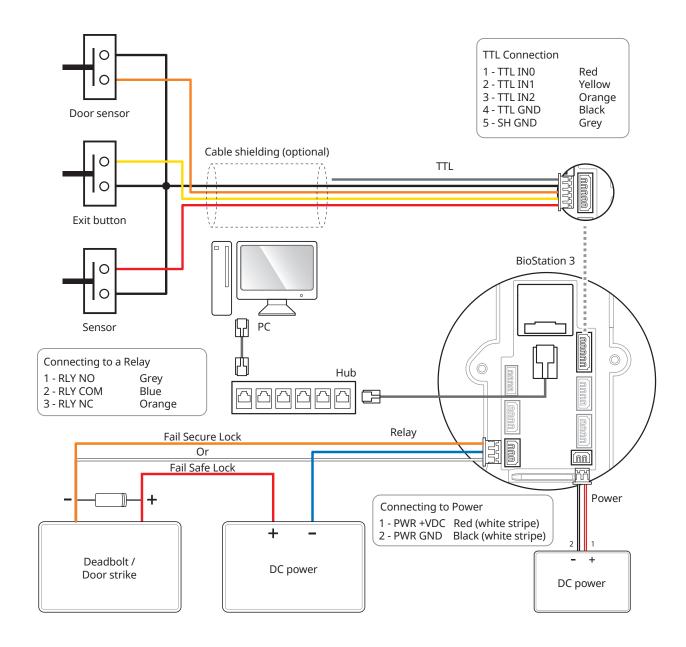
Pay attention to the orientation of the diode during installation. The diode should be close to the door lock.

# **Connecting to an Automatic Door**



### **Stand-Alone Connection**

The BioStation 3 can be directly connected to door locks, exit buttons, door sensors, etc. without connecting to a separate I/O device.





For user convenience, Suprema's intelligent device has an independent built-in relay that can directly open or lock the door without a controller. However, for access control applications requiring enhanced security, it is recommended not to use the built-in relay, in order to prevent tampering that could potentially cause the door to be unlocked. When using such access control applications, please use a separate relay such as Suprema's Secure I/O 2, DM-20, or CoreStation installed in a safe location inside the door for lock control.

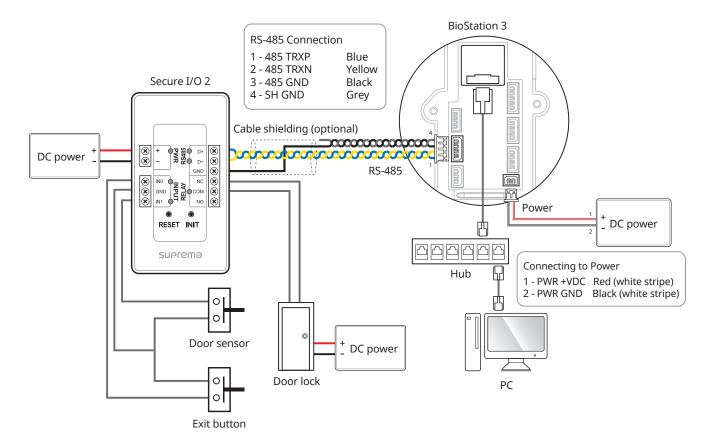


- By connecting a slave device with an RS-485 cable, you can use BioStation 3 as a control system for multiple doors. The slave device is used as a dummy reader and authentication is performed by the master device.
- If a fingerprint scanner is configured as a slave device for BioStation 3, another BioStation 3 cannot be added as a slave device.
- If the fingerprint scanner is the master device, BioStation 3 cannot be added as a slave device.
- If BioStation 3 is the master device and BioStation 3 is connected as a slave device, only one BioStation 3 can be added as a slave device.
- If BioStation 3 is the master device and BioStation 3 is connected as a slave device, Secure I/O 2 and DM-20 (one of each) can be connected additionally.
- If BioStation 3 is the master device and BioStation 3 is connected as a slave device, OM-120 cannot be connected additionally.
- The maximum number of slave devices that can be connected depends on the authentication method, number of users, and number of devices. The number of slave devices may affect authentication speed.
- The master device can control up to thirty-one (31) slave devices. The RS-485 bandwidth allows up to 7 fingerprint scanners to be connected.
- For more information, please contact Suprema Technical Support Team (CS@suprema.co.kr).

## Connecting to Secure I/O 2

You can connect Secure I/O 2 (I/O device) to BioStation 3 via RS-485. Even if BioStation 3 and Secure I/O 2 are disconnected, or BioStation 3 is powered off due to external factors, security can be ensured.

- For an RS-485 cable, use 24 AWG (twisted pair) with a maximum length of 1.2 km.
- For daisy-chained RS-485, connect a terminating resistor (120 Ω) to both ends of the daisy chain connection. If you connect the terminating resistor in the middle of the chain, the signal level will decrease, which affects communication performance, so be sure to connect it to both ends of the daisy chain connection.

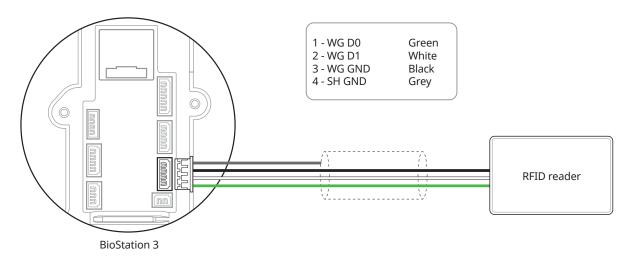




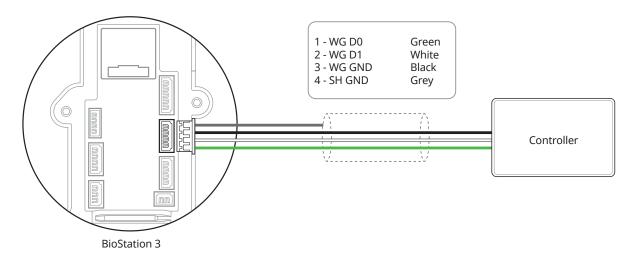
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- For more information, please contact Suprema Technical Support Team (CS@suprema.co.kr).

# **Wiegand Connection**

Used as a Wiegand input device



Used as a Wiegand output device



# **Product Specifications**

Category	Feature	Specifications	
	Biometric	Face	
Credentials	RF card	<ul> <li>BS3-DB: 125kHz EM &amp; 13.56MHz MIFARE, MIFARE Plus, DESFire EV1/EV2*, FeliCa</li> <li>BS3-APWB: 125kHz EM, HID Prox &amp; 13.56MHz MIFARE, MIFARE Plus, DESFire EV1/EV2*, FeliCa, iCLASS SE/SR/Seos</li> </ul>	
	RF detection distance**	EM/HID iCLASS/MIFARE: 30 mm, HID Prox/DESFire: 25 mm, FeliCa: 15 mm	
	Mobile	NFC, BLE	
	Barcode and QR code	Supported (BioStar QR)	
	CPU	1.5 GHz Quad Core	
	Memory	32 GB Flash + 4 GB RAM	
	Crypto chip	Supported	
	LCD type	5.5" IPS color LCD	
	LCD resolution	720 x 1280 pixels	
	Sound	16bit	
	Operating temperature	-20°C to 50°C	
	Storage temperature	-40°C to 70°C	
Camanal	Operating humidity	0% to 80%, non-condensing	
General	Storage humidity	0% to 90%, non-condensing	
	Camera	2 MP 2EA	
	Dimensions (W x H x D)	82.5 x 171 x 23.4 (mm)	
	Weight	<ul> <li>Device <ul><li>BS3-DB: 370 g</li><li>BS3-APWB: 380 g</li></ul> </li> <li>Bracket: 90 g (Including washers and bolts)</li> </ul>	
	IP rating	IP65	
	IK rating	IK06	
	Certifications	CE, FCC, KC, RoHS, REACH, WEEE, UKCA, RCM	
	Recognition Distance	0.6 to 1.0 m	
Face	Recognition Height	1.4 to 1.9 m	
race	Matching speed	Within 0.3 seconds	
	Live Face Detection	Supported	
	Max. User	100,000***	
Storage capacity	Max. Credentials (1:N)	<ul><li>Fingerprint: 100,000</li><li>Face: 50,000</li></ul>	
	Max. Credentials (1:1)	<ul> <li>Fingerprint: 100,000</li> <li>Face: 100,000</li> <li>Card: 100,000</li> <li>PIN: 100,000</li> </ul>	
	Max. Text logs	5,000,000	
	Max. Image logs	50,000	

Category	Feature	Specifications
Interfaces	Ethernet	Supported (10/100/1000 Mbps, automatic MDI/MDI-X)
	Wi-Fi	<ul><li>BS3-DB: Not supported</li><li>BS3-APWB: Supported (802.11 b/ g/ n)</li></ul>
	RS-485	1 ch Host / Slave (Selectable)
	Wiegand	1 ch Input, 1 ch Output
	TTL Input	3 ch Inputs
	Relay	1 Relay
	PoE+	<ul><li>BS3-DB: Not supported</li><li>BS3-APWB: Supported (IEEE 802.3at compliant)</li></ul>
	Intercom	Supported
	USB	USB 2.0 (Host) Management port
	USB expansion port	N/A
	Tamper	Supported
Electrical	Power	DC 12 V (current: 2.5 A) or DC 24 V (current: 1.2 A)
	Switch input VIH	Min.: 3 V / Max.: 5 V
	Switch input VIL	Max.: 1 V
	Switch pull-up resistor	4.7 k $\Omega$ (The input ports are pulled up with 4.7 k $\Omega$ )
	Wiegand output VOH	4.8 V or higher
	Wiegand output VOL	0.2 V or lower
	Wiegnad output pull-up resistor	Internal pull-up to 1 $k\Omega$
	Relay	2 A @ 30 VDC Resistive load 1 A @ 30 VDC Inductive load

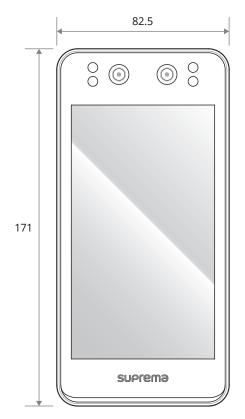
<sup>\*</sup>The DESFire EV2 card is backward compatible with the DESFire EV1 card, so it provides the CSN and smart card functions, including those of the DESFire EV1 card.

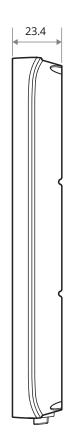
<sup>\*\*</sup>The RF detection distance may vary depending on the installation environment.

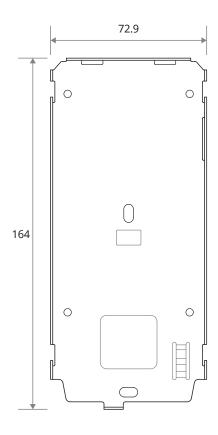
<sup>\*\*\*</sup>Refers to the number of registered users without credential data.

# **Dimensions**

(Unit: mm)







# **FCC Compliance Information**

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.



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.

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.

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.

# **EU Declaration of Conformity (CE)**

This product is CE marked according to the provisions of the Radio Equipment Directive (RED) 2014/53/EU. Hereby, Suprema Inc. declares that this product is in compliance with the essential requirements and other relevant provisions of Radio Equipment Directive (RED) 2014/53/EU.

• Bluetooth transmit power: -0.1 dBm

Bluetooth frequency: 2402–2480 MHz

• NFC frequency: 13.56 MHz

RFID frequency: 13.56 MHz + 125 kHz

For more information, please contact us via the contact details below.

Suprema Inc.

Website: https://www.supremainc.com

Address: 17F-5, Parkview Office Tower, 248, Jeongjail-ro, Seongnam-si, Gyeonggi-do, 13554, Republic of Korea

Tel: +82-31-783-4502 / Fax: +82-31-783-4503

The antenna should not be contacted during operation to avoid the possibility of exceeding the FCC radio frequency exposure limit. NOTE: This device complies with part 15 of the FCC Rules.

NOTE: Operation is subject to the following two Condi ons:

1 This device may not cause harmful interference, and

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

NOTE: This appliance and its antenna must not be co-located or operated in conjunc on with any other antenna or

transmi er. This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

End users must follow the specific operating in truction for sati fying RF exposure compliance.

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

This transmier is considered as mobile device and should not be used closer than 20 mm from a human body.

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WLAN: 2 412 MHz ~ 2 462 MHz (802.11b,g,HT20 / 11 ch)

Target power: b,g,n20 mode:

1 ch Target power: 9 dBm / Tolerance: ±1 dB

Max tuneup power: 10 dBm

6,11 ch Target power: 12 dBm / Tolerance: ±1 dB

Max tuneup power: 13 dBm

BLE: 2 402 MHz  $\sim$  2 480 MHz (GFSK/40 ch), Target power: -2 dBm / Tolerance:  $\pm 1$  dB

Max tuneup power: -1 dBm

1 Mbps PHY only

RFID: 125 KHz (ASK/Frequency deviation may occur from part.)

NFC: 13.56 MHz (ASK/1 ch)

# **FCC compliance information**

THIS DEVICE COMPLIES WITH PART 15 OF THEFCC 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.



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 (Part 2.1091)

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.

# **ICcomplianceinformation**

### Industry Canada Statement

This device complies with RSS-247&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. Ce dispositif est conforme à la norme CNR-247&210 d'Industrie Canada applicable aux appareils radio exempts de licence. Son fonctionnement est sujet aux deux conditions suivantes: (1) le dispositif ne doit pas produire de brouillage préjudiciable, et (2) ce dispositif doit accepter tout brouillage reçu, y compris un brouillage susceptible de provoquer un fonctionnement indésirable.

### Industry Canada 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 20 cm between the radiator & your body.

### Déclaration d'exposition aux radiations

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

# **EU Declaration of Conformity (CE)**

This product is CE marked according to the provisions of the Radio Equipment Directive (RED) 2014/53/EU. Hereby, Suprema Inc. declares that this product is in compliance with the essential requirements and other relevant provisions of Radio Equipment Directive (RED) 2014/53/EU.

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