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Intelligent Slave Support

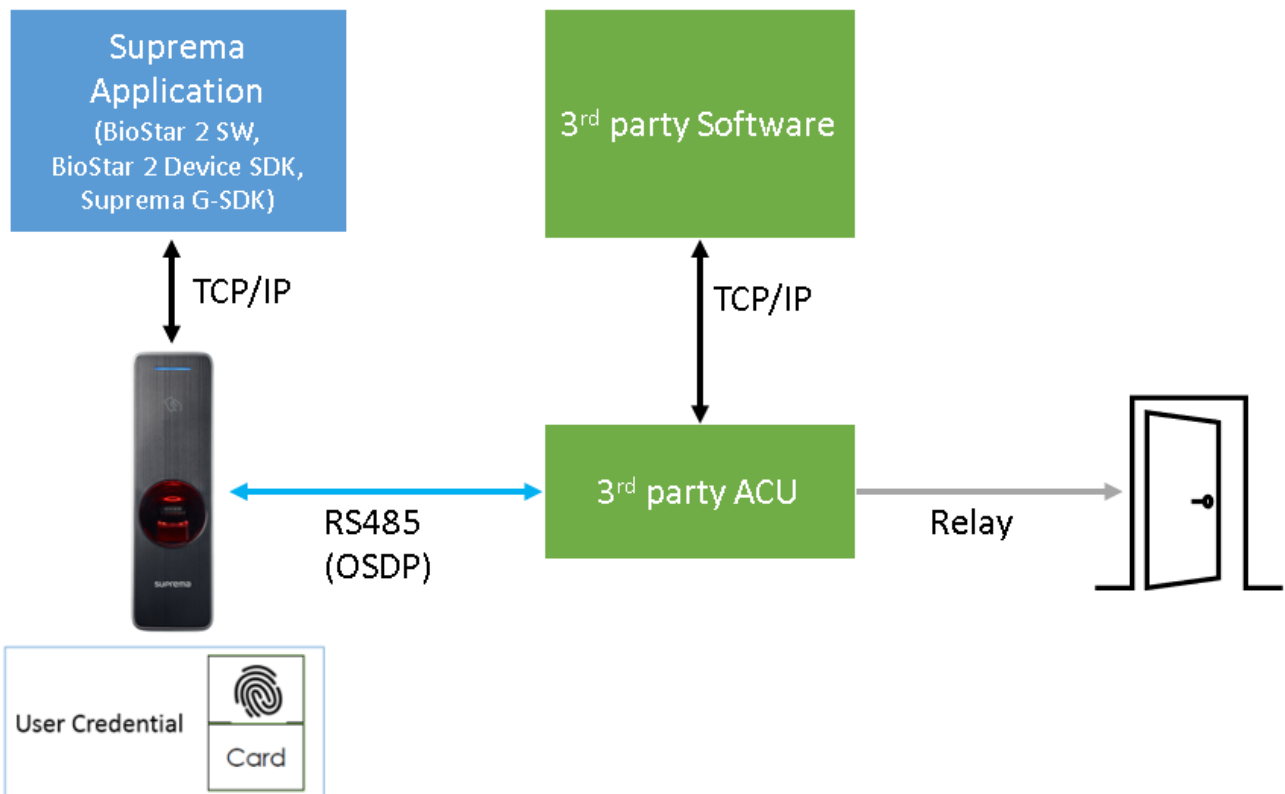Previously Suprema BioStar 2 FW supports the below OSDP slave usage.

1. 3rd party ACU holds the card with the biometric information and the Suprema reader is an OSDP slave reader.
2. Suprema device handles the Access On Card(Template On Card) and sends the result to 3rd party ACU.

The customers who want to manage the user information to Suprema device and send out the card data of the verified user from Suprema device are not available to use Suprema device without FW change.
From v2.8.10 with upcoming FW, Suprema supports Intelligent Slave Feature.

Intelligent Slave

Intelligent Slave is a function that enables many users' 1:1 or 1:N matching by transmitting the authentication result to OSDP card data when authentication using biometrics is performed in an environment in which the Suprema biometric device and a third-party controller are connected.

[System configuration for Intelligent Slave]
Previously, customization was required to connect the Suprema device to a third-party ACU as an OSDP Slave device. However, from BioStar 2.8.10, if the firmware version is appropriate for some

devices, you can use the Intelligent Slave function without customization.

Supported device and firmware information

* BioStar 2.8.10 or later is mandatorily required.

Device Model	Firmware Version
BioEntry W2	V1.6.3 or later
BioStation L2	V1.6.1 or later
BioEntry P2	V1.4.1 or later
Xpass 2	V1.2.3 or later
FaceStation F2	V1.1.2 or later
BioLite N2	V1.4.1 or later
X-Station 2	V1.1.0 or later

How to configure Intelligent Slave

Step 1. Confirm if BioStar 2 and device firmware are versions that support Intelligent Slave.

Step 2. Confirm your device is in RS-485 Default mode.

Step 2-1. Confirm if the baud rate of RS485 is the same as the baud rate of 3rd party ACU. Usually, the default of 3rd party ACU is 9600. Please set the same parameter of the Suprema device from the baud rate of 3rd party ACU.
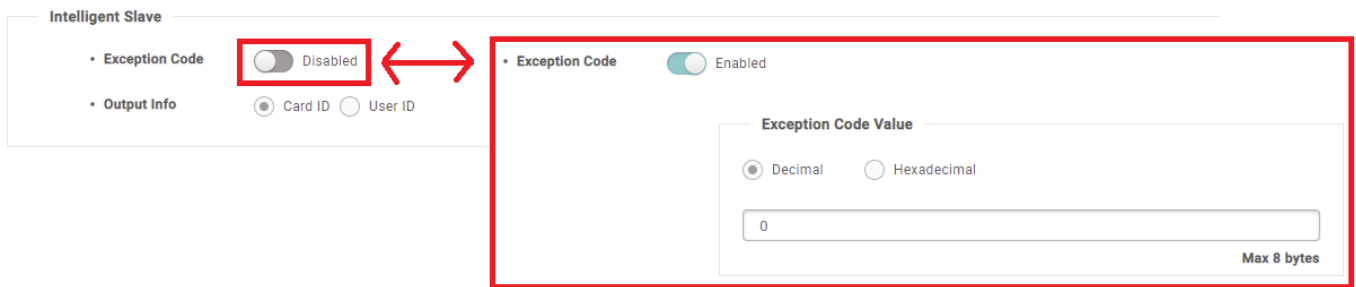

- Once the Suprema device is connected to a slave device to the 3rd party ACU through RS485(OSDP), the Suprema device becomes a Peripheral Device of the OSDP automatically.

Step 3. Check the Intelligent Slave at the end of the network on the device detail page.

- Exception Code: The default is [Disabled]. Suprema device can send to aggregate accurate logs in exceptional situations such as authentication failures or the no card of the verified user information. Depending on the system requirement of 3rd party ACU, you can enable this option and set it in decimal or hexadecimal. You can enter decimal numbers from 0 to 18446744073709551615, and you can enter hexadecimal numbers from 0 to FFFFFFFFFFFFFFFF or hexadecimal characters. (up to 8 bytes)

- Output Info: You can output between Card ID and User ID when authentication is successfully done.

- OSDP ID: You can enter the OSDP address of the device. You MUST enter the value between 0 and 126.

Step 4. Create a new user in BioStar 2 to synchronize the user data to the connected Suprema device. In addition, check if there is user verification success.

Step 5. Connect your device with 3rd party ACU through RS485(OSDP) and check the operation.