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# Feature Description Document

## Configuring OSDP Settings in IXM WEB

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# Purpose

This document outlines the process to configure OSDP settings using IXM WEB.

# Applies to

| TITAN | TFACE | TOUCH 2 | SENSE 2 | MERGE 2 | MYCRO |
|-------|-------|---------|---------|---------|-------|
| All Devices | All Devices | All Devices | All Devices | All Devices | All Devices |

# Description

OSDP is a more secure connection method compared to the traditional Wiegand communication interface.

OSDP utilizes two-way encrypted communication that makes it immune to being eavesdropped, faked or bypassed. OSDP flags tampering or disconnection right away.

Furthermore, OSDP establishes a Secure Channel Protocol which is essential for exchanging secure credentials such as digital keys.

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# Configuring OSDP settings

1. From **Home** >> Click the **Devices** tab >> Select the required **Device** >> Navigate to **Access Control** >> Click **OSDP**. By default, the OSDP configuration is turned OFF.

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2. Enable the **OSDP** configuration by toggling the switch to **ON**.

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3. Provide values for the configuration settings below:

    **Baud Rate:** The baud rate of the serial communication. The value has to be the same as the Access Control Panel's value.

    **Parity Bit:** The parity bit of the serial communication. The value has to be the same as the Access Control Panel's value.

    **Stop Bit:** The stop bit of the serial communication. The value has to be the same as the Access Control Panel's value.

    **Enable Log:** This logs OSDP events for support and debugging purposes. Invixium recommends disabling this feature unless needed.

- **SmartCard Passthru:** When presenting a smart card, the device passes the smart card CSN to Access Control Panel without taking any other action.

- **Enable Biometric:** Enables biometric template verification.

- **Secure Channel:** The secure key is provided by your Access Control Panel most of the time. However, provisions for manual entry can be added as TEXT or HEX.

- **Event:** The OSDP static events for panel feedback and capture pin are:
  - Access Granted
  - Access Denied
  - Enter PIN

- **On Color/Off Color:** The LED color configuration based on panel events. The value has to be the same as the Access Control Panel's value. Options are:
  - Red
  - Green
  - Yellow
  - Blue

  *Note: Mismatch between the unit and Access Control Panel LED configuration would cause unrecognized events.*

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- **On Time/Off Time:** The LED timing configuration based on the panel events. The value has to be the same as the Access Control Panel's value.

  *Note: Mismatch between the unit and Access Control Panel LED timing configuration would cause unrecognized events.*

- **Display OSDP Text:** Enables to display OSDP Text.

- **Display Message:** Notification on the device's screen
    - If enabled: Displays both the unit hard coded notification and the Access Control Panel notification
        IXM notification - Access Granted or Access Denied
        Access Control Panel notification – Valid or Invalid
    - If disable: Displays only the Access Control Panel notification

4. Click **Apply** to save the settings.

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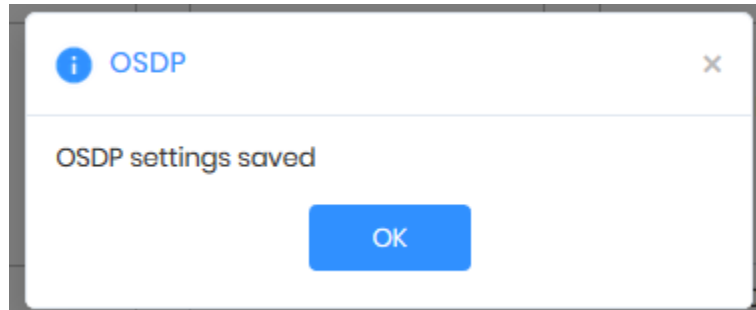
## Support

For more information relating to this Feature Description document, please contact us at support@invixium.com

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