# DIO Driver

## 1.1 Type Definitions

### 1.1.1 Dio_LevelType

| Name | Dio_LevelType |
|------|---------------|
| Type | Enum |
| Values | STD_LOW |
| | STD_HIGH |

## 1.2 Function Definitions

### 1.2.1 DIO_ReadPort

| Name | DIO_ReadPort | |
|------|--------------|---|
| Input | uint8 | port_index |
| | uint8 | pins_mask |
| Return | uint8 | pins_level |
| Description | Return the value of the pins selected by pins_masks in the port selected by port_index. | |

### 1.2.2 DIO WritePort

| Name | DIO WritePort | |
|------|---------------|---|
| Input | uint8 | port_index |
| | uint8 | pins_mask |
| | Dio_LevelType | pins_level |
| Return | void | |
| Description | Change the value of the pins selected by pins_masks in the port selected by port_index to input pins_level. | |

### 1.2.3 DIO_FlipPort

| Name | DIO_FlipPort | |
|---|---|---|
| Input | uint8 | port_index |
| | uint8 | pins_mask |
| Return | void | |
| Description | Toggle the values of the pins selected by pins_masks in the port selected by port_index. | |