GestureID **@ 0x01**

	Bit7	Bit6	Bit5	Bit4	Bit3	Bit2	Bit1	Bit0
Desc.	GestureID							

Bit Name	description
[7: 0] GestureID	Gesture code 0x00: no gesture 0x01: on a slippery 0x02: decline 0x03: Left slip 0x04: Right slide 0x05: Click 0x0B: Double-click 0x0C: Press

FingerNum **@ 0x02**

	Bit7	Bit6	Bit5	Bit4	Bit3	Bit2	Bit1	Bit0
Desc.	FingerNum							

Bit Name	description
[7: 0] FingerNum	The number of fingers. 0: No 1 finger: a finger

XposH **@ 0x03**

	Bit7	Bit6	Bit5	Bit4	Bit3	Bit2	Bit1	Bit0
Desc.					Xpos [11: 8]			

Bit Name	description
[3: 0] XPos	X coordinate of the upper 4 bits

XposL **@ 0x04**

	Bit7	Bit6	Bit5	Bit4	Bit3	Bit2	Bit1	Bit0
Desc.	Xpos [7: 0]							

Bit Name	description
[7: 0] XPos	X coordinate of the lower 8 bits

YposH **@ 0x05**

	Bit7	Bit6	Bit5	Bit4	Bit3	Bit2	Bit1	Bit0
Desc.					Ypos [11: 8]			

Bit Name	description
[3: 0] YPos	Y coordinate of the upper 4 bits

YposL **@ 0x06**

	Bit7	Bit6	Bit5	Bit4	Bit3	Bit2	Bit1	Bit0
Desc.	Ypos [7: 0]							

Bit Name	description
[7: 0] YPos	Y coordinate of the lower 8 bits

BPC0H **@ 0xB0**

	Bit7	Bit6	Bit5	Bit4	Bit3	Bit2	Bit1	Bit0
Desc.	BPC0 [15: 8]							

Bit Name	description
[7: 0] BPC0H	BPC0 value of upper 8 bits

BPC0L **@ 0xB1**

	Bit7	Bit6	Bit5	Bit4	Bit3	Bit2	Bit1	Bit0
Desc.	BPC0 [7: 0]							

Bit Name	description
[7: 0] BPC0L	The lower 8 bits of the value BPC0

BPC1H **@ 0xB2**

	Bit7	Bit6	Bit5	Bit4	Bit3	Bit2	Bit1	Bit0
Desc.	BPC1 [15: 8]							

Bit Name	description
[7: 0] BPC1H	BPC1 high value 8

BPC1L **@ 0xB3**

	Bit7	Bit6	Bit5	Bit4	Bit3	Bit2	Bit1	Bit0
Desc.	BPC1 [7: 0]							

Bit Name	description
[7: 0] BPC1L	The lower 8 bits of the value BPC1

ChipID **@ 0xA7**

	Bit7	Bit6	Bit5	Bit4	Bit3	Bit2	Bit1	Bit0
Desc.	ChipID							

Bit Name	description
[7: 0] ChipID	DH

ProjID **@ 0xA8**

	Bit7	Bit6	Bit5	Bit4	Bit3	Bit2	Bit1	Bit0
Desc.	ProjID							

Bit Name	description
[7: 0] ProjID	Project Number

FwVersion **@ 0xA9**

	Bit7	Bit6	Bit5	Bit4	Bit3	Bit2	Bit1	Bit0
Desc.	FwVersion							

Bit Name	description
[7: 0] FwVersion	Software version number

MotionMask **@ 0xEC**

	Bit7	Bit6	Bit5	Bit4	Bit3	Bit2	Bit1	Bit0
Desc.						EnConLR	EnConUD	EnDClick

Bit Name		description
[2]	EnConLR	Continuous operation can slide around
[1]	EnConUD	Slide up and down to enable continuous operation
[0]	EnDClick	Enable Double-click action

IrqPluseWidth **@ 0xED**

	Bit7	Bit6	Bit5	Bit4	Bit3	Bit2	Bit1	Bit0
Desc.	IrqPluseWidth							

Bit Name	description
[7: 0] IrqPluseWidth	Interrupt output low pulse width. Unit 0.1ms, optional values: 1-200. The default value is 10.

NorScanPer **@ 0xEE**

	Bit7	Bit6	Bit5	Bit4	Bit3	Bit2	Bit1	Bit0
Desc.	NorScanPer							

Bit Name	description
[7: 0] NorScanPer	Rapid detection of the normal cycle. This value will affect the LpAutoWakeTime and AutoSleepTime. Units of 10ms, selectable values: 1 to 30. The default is 1.

MotionSlAngle **@ 0xEF**

	Bit7	Bit6	Bit5	Bit4	Bit3	Bit2	Bit1	Bit0
Desc.	MotionSlAngle							

Bit Name	description
[7: 0] MotionSlAngle	Sliding partition gesture detection angle control. Angle = tan (c) * 10 c is a positive x-axis direction as a reference angle.

LpScanRaw1H **@ 0xF0**

	Bit7	Bit6	Bit5	Bit4	Bit3	Bit2	Bit1	Bit0
Desc.	LpScanRaw1H							

Bit Name	description
[7: 0] LpScanRaw1H	Scanning the reference channel 1 low power 8-bit value is high.

LpScanRaw1L **@ 0xF1**

	Bit7	Bit6	Bit5	Bit4	Bit3	Bit2	Bit1	Bit0
Desc.	LpScanRaw1L							

Bit Name	description
[7: 0] LpScanRaw1L	The lower 8 bits of the reference value of the low-power scanning No. 1 channel.

LpScanRaw2H **@ 0xF2**

	Bit7	Bit6	Bit5	Bit4	Bit3	Bit2	Bit1	Bit0
Desc.	LpScanRaw2H							

Bit Name	description
[7: 0] LpScanRaw2H	Scanning the reference channel 1 low power 8-bit value is high.

LpScanRaw2L **@ 0xF3**

	Bit7	Bit6	Bit5	Bit4	Bit3	Bit2	Bit1	Bit0
Desc.	LpScanRaw2L							

Bit Name	description
[7: 0] LpScanRaw2L	The lower 8 bits of the reference value of the low-power scanning No. 1 channel.

LpAutoWakeTime **@ 0xF4**

	Bit7	Bit6	Bit5	Bit4	Bit3	Bit2	Bit1	Bit0
Desc.	LpAutoWakeTime							

Bit Name	description
[7: 0] Auto-calibration cycle LpAutoWakeTime low power consumption.	Unit 1 minute optional value: 1-5. The default is 5.

LpScanTH **@ 0xF5**

	Bit7	Bit6	Bit5	Bit4	Bit3	Bit2	Bit1	Bit0
Desc.	LpScanTH							

Bit Name	description
[7: 0] LpScanTH	Low-power scanning wake threshold. The smaller the more sensitive. Optional Value: 1 to 255. The default value is 48.

LpScanWin **@ 0xF6**

	Bit7	Bit6	Bit5	Bit4	Bit3	Bit2	Bit1	Bit0
Desc.	LpScanWin							

Bit Name	description
[7: 0] LpScanWin	Low-power scanning range. The greater the sensitivity, the higher the power consumption. Optional value: 0,1,2,3. The default is 3.

LpScanFreq **@ 0xF7**

	Bit7	Bit6	Bit5	Bit4	Bit3	Bit2	Bit1	Bit0
Desc.	LpScanFreq							

Bit Name	description
[7: 0] LpScanFreq	Low-power scanning frequency. The smaller the more sensitive. Optional Value: 1 to 255. The default value is 7.

LpScanIdac **@ 0xF8**

	Bit7	Bit6	Bit5	Bit4	Bit3	Bit2	Bit1	Bit0
Desc.	LpScanIdac							

Bit Name	description
[7: 0] LpScanIdac	Low power scan current. The smaller the more sensitive. Optional Value: 1 to 255.

AutoSleepTime **@ 0xF9**

	Bit7	Bit6	Bit5	Bit4	Bit3	Bit2	Bit1	Bit0
Desc.	AutoSleepTime							

Bit Name	description
[7: 0] AutoSleepTime	When no touch, into low power mode automatically x seconds. Unit 1S, default is 2S.

IrqCtl **@ 0xFA**

	Bit7	Bit6	Bit5	Bit4	Bit3	Bit2	Bit1	Bit0
Desc.	EnTest	EnTouch	EnChange	OnceWLP	place			

name		description
[7]	EnTest	Interrupt pin to test, enable automatic periodic issued after a low pulse.
[6]	EnTouch	When a touch is detected, a periodic pulsed Low.

[5]	EnChange	Upon detecting a touch state changes, pulsed Low.
[4]	EnMotion	When the detected gesture is pulsed Low.
[0]	OnceWLP	Press gesture only issue a pulse signal is low.

AutoReset **@ 0xFB**

	Bit7	Bit6	Bit5	Bit4	Bit3	Bit2	Bit1	Bit0
Desc.	DebouceTime							

Bit Name	description
[7: 0] DebounceTime	X seconds but no valid touch gesture, automatically reset. Unit 1S, do not enable this function is zero. The default is 5.

LongPressTime **@ 0xFC**

	Bit7	Bit6	Bit5	Bit4	Bit3	Bit2	Bit1	Bit0
Desc.	LongPressTime							

Bit Name	description
[7: 0] LongPressTime	Press automatically reset after x seconds. Unit 1S, do not enable this function is zero. The default is 10.

IOCtl **@ 0xFD**

	Bit7	Bit6	Bit5	Bit4	Bit3	Bit2	Bit1	Bit0
Desc.						SOFT_RST	IIC_OD	En1v8

Bit Name		description
[2]	SOFT_RST	Master reset by pulling the soft touch IRQ pin implemented. 0: Disable soft reset. 1: Enable soft reset.
[1]	IIC_OD	IIC pin drive mode, the default pull-up resistor. 0: pull-up resistor 1: OD
[0]	En1v8	IIC and IRQ pin level selected, the default is the VDD level. 0: VDD 1: 1.8V

DisAutoSleep **@ 0xFE**

	Bit7	Bit6	Bit5	Bit4	Bit3	Bit2	Bit1	Bit0
Desc.	DisAutoSleep							

Bit Name	description
[7: 0] DisAutoSleep	The default is 0, automatically enabled into low power mode. Is a non-zero value, to disable automatic into low power mode.