

Comparison of **FT5426 & ILI2130**

Report Data: Jun, 2021

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	FT5426						ILI2130								
Electrical Characteristics															
		Symbol	Min	Тур	Max	Unit			Symbol	Min	Тур	Max	Unit		
		VDD	2.8	-	3.6	V			VDD	2.97	-	3.63	V		
		VIL	-	-	0.3*VDD	V			VIL	-	-	0.5	V		
		VOL	-	-	0.3*VDD	V			VOL	-		0.4	V		
I2C Read/Write	Device Write Address:0x70						Device Write Address:0x82								
description	Device Read Address:0x71						Device Read Address:0x83								
Timing Sequence	Th	The range of FT5426 clock frequency is 0 to 400kHz.													
	An	And the parameter value is the same as Standard mode of													
	ILD	ILI2130. It is fine without change when you use ILI2130.													
Power on and Reset							Host need to control Reset time to be larger than 10ms. And								
sequence								with FT5426, the value is 5ms.							
									The time of power on/reset sequence longer than						
									FT5426(Max=300 ms), please check SPEC						
Resolution	De	Depend on different size. Please check module SPEC.							16384x16384						
Data structure for	if I	if INT=low						if INT=low							
getting point info.	Device Write							Device Read							
		Address							Address						
S Start Condition	S	0x70	A	Regi	ster Addres	s A	Р	S	0x83	A	Data	[0] A	·	Data[63]	A P
A Acknowledge	-	Device F	Read												
P Stop Condition		Address													
Master to Slave	S	0x71	A	Data		Α	Р								
Slave to Master															

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		FT5426	ILI2130						
Report Format	You can specify the reg	gister address to obtain the value.	Please read 64 bytes at a time, or you will get wrong data.						
	Register Address	Data	Report Packet Format						
	0x02	TP_STATUS	Name of Bytes Description						
	0x03	TOUCH1_XH	Data[0] 0x48						
			Data[1~5] Point_1						
	0x1E	TOUCH5_YL							
			Data[21~25] Point_5						
Point Even Flag	There are two bits for	event flag.	There is only one bit. Tip=0 : without touch, Tip=1: touch Report ID Format						
	For example Touch1:								
	03h Touch 1 Event F	lag00b 01b 10bPut Down Put Up Contact 11b10b Reserved	Name of Bytes Description Bit 1 Tip Switch and Point ID 0 Tip Point ID 2 X direction coordinate X Position(LSB) X						
			4 Y Protion(LSB) 5 Y Institution (MSB)						
		4.2 Packet Format							
			Packet Format	ket Format					
			Name of Bytes Description Notes 0 Report ID 0x/8						
			1~5 Point 1 Please refer 5.1 Report ID Format						
			6~10 Point_2 Please refer 5.1 Report ID Format						