

## **Advantech AE Technical Share Document**

Date	2019 / 09/ 04	Release Note	Internal External
Category	□FAQ ■SOP	Related OS	Windows 7 / 10
Abstract	SOP_How to self-test c	apacitive touch us	ing eGalaxSensorTester4.exe
Keyword	Capacitive touch / eGa	laxSensorTester4.e	exe / Win 7 / Win 10
<b>Related Product</b>	PPC-3211W-P75A		

## Problem Description:

Due to changes in an environment's magnetic field or new system installation, the touch screen may operate incorrectly.

## Brief Solution - Step by Step:

Note:

- A. Don't install the resistive touch drive on the platform. Uninstall if it's already installed.
- B. To avoid unnecessary interference during calibration, use a mouse (not touch) for step1 to step3.
- 1. Download and unzip the recalibration tool from Advantech website(search PPC-3211W), then click eGalaxSensorTester4.exe

https://support.advantech.com/Support/SearchResult.aspx?keyword=PPC-3211W&searchtabs =BIOS,Certificate,Datasheet,Documentation,Driver,Firmware,Manual,Online%20Training,Softw are%20Utility,Utility,FAQ,Installation,Software%20API,Software%20API%20Manual,3D%20Mod el,Quick%20Start%20Guide,Reference,eCatalog,Video,Webcast,Whitepaper,SDK&select\_tab=So ftware%20API

	[156H	1086A1]eGalaxWorks80H8420190503-Mildex-110	7-V00_T3-Device(Modu	ule)	
		Name ^	Date modified	Type	Size
Quick access		Someos	8/26/2019 5:22 PM	File folder	
Desktop	A	eGalarDerOn	8/26/2019 5/22 PM	File folder	
Downloads	#	eGaladindatel og	8/26/2019 5:22 PM	File folder	
Documents	10	Log 1107	8/26/2019 5:22 PM	File folder	
Pictures	*	OPDrawLog	8/26/2019 5:23 PM	File folder	
Music		1107 RawBase.csv	4/11/2019 3:14 AM	CSV File	34 KB
Videor		Galax.dat	2/25/2019 9:26 AM	DAT File	2 KB
		eGalax5960Suite	11/27/2018 10:27	Application	2,013 KB
DrieDrive		eGalaxBuilder5	1/29/2019 4:57 PM	Application	3,520 KB
The PC		eGalaxBuilder5	8/26/2019 5:22 PM	Text Document	1 KB
		eGalaxCalibration	8/23/2018 12:47 PM	Application	3,108 KB
Network		eGalaxCalibration	10/4/2016 5:52 PM	Configuration sett	1 KB
		eGalaxFPCTester	1/28/2019 9:59 AM	Application	2,082 KB
		eGalaxFPCTester	1/28/2019 10:04 AM	Configuration sett	1 KB
		eGalaxSensorTester4	1/9/2019 3:07 PM	Application	2,412 KB
		SeGalaxTestAnalyzer	7/3/2014 6:21 PM	Application	2,170 KB
		eGalaxTuner_80H000X	1/9/2019 10:46 AM	Application	2,855 KB
		GalaxUpdate	11/3/2015 5:02 PM	Configuration sett	3 K.B
		eGalaxUpdate2	11/27/2018 10:18	Application	4,050 KB
		EULA	10/28/2014 11:55	PDF File	192 KB
		HIDdAPLdil	12/28/2018 6:03 PM	Application extens	2,094 KB
		LastTestLog	8/26/2019 5:23 PM	Text Document	1 KB
		OPDraw OPDraw	2/22/2019 11:32 AM	Application	2,575 KB
		OPDraw	5/6/2019 7:31 PM	Configuration sett	9 KB
		PCAP80H84_1107_v00_T3_00_C002_Co	5/2/2019 4:19 AM	H84 File	244 KB
		SensorTest_Result	8/26/2019 5:23 PM	Test Document	1 KB
		SensorTestDefault	5/6/2019 7:30 PM	Configuration sett	4 KB
		SensorTestLOG-EETI-20190826_171807	8/26/2019 5:18 PM	CSV File	1 KB
		UniformityTableResult	8/26/2019 5:22 PM	Text Document	1 KB
		version	2/22/2019 11:06 AM	Text Document	1 KB

2. Utility would auto-execute and reciprocal

ORION_1107	
PCAP80H84 SERIES	
00_T3	
00 00	
	2
	_
-	
	Start Test #
	ORION_1107 PCAP80H84 SERIES 00_T3 00 00

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3. The utility would call EETI Firmware update tool while executing process. Press "YES" and it will show the Firmware update window.



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Enabling an Intelligent Planet

Cu	rrent Controller -			oad Image	
oader	Enable	1.10			
Гуре	Loa	der	Туре	P80H84 Series	
Model	P80H84 8FW		Model	11	07
lersion	1.10 Loader 1		Version Interface	00_T3 USB+UART+I2C All Points	
nterface					
Support Touch			Support Touch		
RC	0x0	0x0000	CRC	0x3CD6	
arameter	N/A	N/A	Parameter	00.00	0x0BE6
W Builder	65535	65535	FW Builder	0.	0
Load Image, Gol	Erase :	PCAP80H84_110 100 %	17_v00_T3_00_C002_Com Download :	oany_URI_DTh 4 %	iqa H84
		Erase	firmware.		

4. The utility would execute the Open/Short Test after Firmware update done. (Do not touch the screen during testing.)

Controller Info		
Model Name	ORION_110/	
Type Name	PCAP80H84 SERIES	
Version	00_T3	The second framework
Parameter Version:	00.00	lesting
Test item		D II Toursk
HW Signal		Don't louch
Open Test		
Short Test		
Mutual Cap Test		
OPDraw :		
Raw Data Test		
Barcode		Start Test 0
	EETI D	

5. Follow the prompt to draw the lind in the clockwise direction.



6. When the tool shows "Pass", the process of self-test and recalibration are finish

Controller Info		
Model Name	ORION_1107	
Type Name	PCAP80H84 SERIES	
Version	00_T3	
Parameter Version:	90.00	
Test item		Pass !!
HW Signal	PASS	
Open Test	PASS	
Short Test	PASS	
Mutual Cap Test	PASS	
OPDraw	PASS	
Raw Data Test	PASS	
Barcode		Start Test #
1.1.0.0 (181217.0.14)		