

Version: 5.13.0.14917 Date: Mar. 2016**Issue Fixed:**

Fixed issue for the xTouchMin(tray icon) cannot get registry values “ActiveChromeBtnDisplay” and “ButtonDisplay” form registry key [HKEY_CURRENT_USER\Software\eGalaxTouch].

Known Problem:

1. The serial (COM) touchscreen may not work due to some Virtual Machine(for ex. VMware). This is because virtual machine may change serial port driver behaviors. To work around this problem, be sure to enable PnP function for serial port for EETI's driver.

Version: 5.13.0.14721 Date: Jan. 2016**Issue Fixed:**

1. Fixed issue for the eGalaxDevOp.exe cannot work on the Windows 2000.

Known Problem:

1. The serial (COM) touchscreen may not work due to some Virtual Machine(for ex. VMware). This is because virtual machine may change serial port driver behaviors. To work around this problem, be sure to enable PnP function for serial port for EETI's driver.

Version: 5.13.0.14626 Date: Dec. 2015**New Feature:**

Let user can set the “EnhanceLinear” parameter in the eGalaxTouch_reg.ini file for enable the Enhance linearization calibration for too bad sensor.

Issue Fixed:

When system in the high loading , the USB interface touch will too lag work on the draw test of the eGalaxTouch utility.

Known Problem:

1. The serial (COM) touchscreen may not work due to some Virtual Machine(for ex. VMware). This is because virtual machine may change serial port driver behaviors. To work around this problem, be sure to enable PnP function for serial port for EETI's driver.

Version: 5.13.0.14608 Date: Dec. 2015**Issue Fixed:**

1. Fixed issue for the USB touch device cannot work immediately after reinstall eGalaxTouch USB touch driver.User have to reboot system.

Known Problem:

1. The serial (COM) touchscreen may not work due to some Virtual Machine(for ex. VMware). This is because virtual machine may change serial port driver behaviors. To work around this problem, be sure to enable PnP function for serial port for EETI's driver.

Version: 5.13.0.14517 Date: Nov. 2015

Issue Fixed:

1. Fixed issue for a Serial search service of 3M UART driver cannot start after install eGalaxTouch driver.
2. eGalaxTouch COMBus driver add retry scan COM port device 3 times for use every baud rate settings scan for fixed the firmware update tool maybe will get timeout fail after reset device.
3. Fixed issue for reboot Windows Embedded Standard 7 system maybe will crash. Because eGalaxTouch USB driver uses some parameters before completed initialize them.

Known Problem:

1. The serial (COM) touchscreen may not work due to some Virtual Machine(for ex. VMware). This is because virtual machine may change serial port driver behaviors. To work around this problem, be sure to enable PnP function for serial port for EETI's driver.

Version: 5.13.0.14220 Date: Aug. 2015

Issue Fixed:

If UART interface touch device baudrate is 57600 and connect to the USB to RS-232 cable, the installation application and eGalaxTouch utility maybe can not detect the UART interface touch device.

Known Problem:

1. The serial (COM) touchscreen may not work due to some Virtual Machine(for ex. VMware). This is because virtual machine may change serial port driver behaviors. To work around this problem, be sure to enable PnP function for serial port for EETI's driver.

Version: 5.13.0.13911 Date: May. 2015

Issue Fixed:

The driver will report wrong point coordinates after do this below steps.
Rotate the extended mode second monitor to 90 degree->mapping a touch device to the extended monitor-> do monitor rotation-> do touch calibration-> change monitor resolution or reboot system.

Known Problem:

1. The serial (COM) touchscreen may not work due to some Virtual Machine(for ex. VMware). This is because virtual machine may change serial port driver behaviors. To work around this problem, be sure to enable PnP function for serial port for EETI's driver.

Version: 5.13.0.13808 Date: APR. 2015**Issue Fixed:**

When system in the high loading , the UART interface touch will too lag .

Known Problem:

1. The serial (COM) touchscreen may not work due to some Virtual Machine(for ex. VMware). This is because virtual machine may change serial port driver behaviors. To work around this problem, be sure to enable PnP function for serial port for EETI's driver.

Version: 5.13.0.13529 Date: JAN. 2015**Issue Fixed:**

COMBUS driver update.

UART touch device not work . because some low level UART driver will return error after set hand flow control to 0

Known Problem:

1. The serial (COM) touchscreen may not work due to some Virtual Machine(for ex. VMware). This is because virtual machine may change serial port driver behaviors. To work around this problem, be sure to enable PnP function for serial port for EETI's driver.

Version: 5.13.0.13509 Date: JAN. 2015**Issue Fixed:**

On some USB3.0 host. The touch device will need to wait 6 sec to work after plug in other USB devices.

New Feature:

1. Support PID 0xC080~0xC0FF.

Known Problem:

1. The serial (COM) touchscreen may not work due to some Virtual Machine(for ex. VMware). This is because virtual machine may change serial port driver behaviors. To work around this problem, be sure to enable PnP function for serial port for EETI's driver.

Version: 5.13.0.13418 Date: DEC. 2014**New Feature:**

1. Let user can modify setup.ini for set install or not install PS/2 or UART driver.

Known Problem:

1. The serial (COM) touchscreen may not work due to some Virtual Machine(for ex. VMware). This is because virtual machine may change serial port driver behaviors. To work around this problem, be sure to enable PnP function for serial port for EETI's driver.

Version: 5.13.0.13223 Date: Oct 2014

Bug Fixed:

1. Fixed driver can not be installed in the Windows7 /8 /8.1 32bits OS.

Known Problem:

1. The serial (COM) touchscreen may not work due to some Virtual Machine(for ex. VMware). This is because virtual machine may change serial port driver behaviors. To work around this problem, be sure to enable PnP function for serial port for EETI's driver.

Version: 5.13.0.12925 Date: JUL 2014

New Feature:

1. Let user can modify sensitivity of Mercury up to 4095.
2. Add active chrome bar icon for let user can touch the icon to launch Chrome bar of Window 8/Windows8.1.

Known Problem:

1. The serial (COM) touchscreen may not work due to some Virtual Machine(for ex. VMware). This is because virtual machine may change serial port driver behaviors. To work around this problem, be sure to enable PnP function for serial port for EETI's driver.

Version: 5.13.0.12706 Date: May 2014(for PCAP)

New Feature:

1. Remove calibration setting page of installshield.
2. Remove 4 points calibration request dialog after install.

Known Problem:

1. The serial (COM) touchscreen may not work due to some Virtual Machine(for ex. VMware). This is because virtual machine may change serial port driver behaviors. To work around this problem, be sure to enable PnP function for serial port for EETI's driver.

Version: 5.13.0.12628 Date: Apr. 2014 (not include PS/2 driver)

New Feature:

1. Let Right button window can move to second monitor or other extended

monitor and user can set the Right button window position.

Known Problem:

1. The serial (COM) touchscreen may not work due to some Virtual Machine(for ex. VMware). This is because virtual machine may change serial port driver behaviors. To work around this problem, be sure to enable PnP function for serial port for EETI's driver.

Version: 5.13.0.12616 Date: Apr. 2014 (not include PS/2 driver)

Bug Fixed:

1. If touch device is PCAP , disable the "Linearization Style" group setting items of "Setting" tab of utility.

Known Problem:

1. The serial (COM) touchscreen may not work due to some Virtual Machine(for ex. VMware). This is because virtual machine may change serial port driver behaviors. To work around this problem, be sure to enable PnP function for serial port for EETI's driver.

Version: 5.13.0.12517 Date: Mar. 2014 (not include PS/2 driver)

Bug Fixed:

1. Remove write calibration data to C:\CalInfo.txt when the xAuto4PtsCal.exe completed calibration process.

Known Problem:

1. The serial (COM) touchscreen may not work due to some Virtual Machine(for ex. VMware). This is because virtual machine may change serial port driver behaviors. To work around this problem, be sure to enable PnP function for serial port for EETI's driver.

Version: 5.13.0.12420 Date: Feb. 2014 (not include PS/2 driver)

Bug Fixed:

1. Bug fixed for the USB driver will need to 20 seconds to unload after disconnect at some USB3.0 host.

Known Problem:

1. The serial (COM) touchscreen may not work due to some Virtual Machine(for ex. VMware). This is because virtual machine may change serial port driver behaviors. To work around this problem, be sure to enable PnP function for serial port for EETI's driver.

Version: 5.13.0.12328 Date: Jan. 2014 (not include PS/2 driver)

Bug Fixed:

1. Bug fixed for the Japanese string of the “Beep From System Beep” is not correct.

Known Problem:

1. The serial (COM) touchscreen may not work due to some Virtual Machine(for ex. VMware). This is because virtual machine may change serial port driver behaviors. To work around this problem, be sure to enable PnP function for serial port for EETI’s driver.

Version: 5.13.0.12220 Date: Dec. 2013 (not include PS/2 driver)**Bug Fixed:**

Fix bug for the edge compensation values will not match user set default Edge compensation default value through eGalaxTouch_reg.ini.

Known Problem:

1. The serial (COM) touchscreen may not work due to some Virtual Machine(for ex. VMware). This is because virtual machine may change serial port driver behaviors. To work around this problem, be sure to enable PnP function for serial port for EETI’s driver.

Version: 5.13.0.12213 Date: Dec. 2013 (not include PS/2 driver)**New Feature:**

1. Let user can set calibration timeout.

Known Problem:

1. The serial (COM) touchscreen may not work due to some Virtual Machine(for ex. VMware). This is because virtual machine may change serial port driver behaviors. To work around this problem, be sure to enable PnP function for serial port for EETI’s driver.

Version: 5.12.0.12204 Date: Dec. 2013(include PS/2 driver for Windows 7)**Bug Fixed:**

1. Fixed bug for the display page of eGalaxTouch utility not update immediately after do monitor mapping.
2. Fixed bug for eGalaxTouch utility will crash when set the display page.
3. Fixed bug for system maybe will crash if keep touch the touch sensor when system boot.
4. Fixed bug for a touch device will map to wrong monitor after reboot on some system.
5. Fixed bug for if user do linearization not follow correct process ,the eGalaxTouch utility will crash after do 4 points calibration.
6. Fixed some links of user guide not works issue.

Known Problem:

1. The serial (COM) touchscreen may not work due to some Virtual Machine(for ex. VMware). This is because virtual machine may change serial port driver behaviors. To work around this problem, be sure to enable PnP function for serial port for EETI's driver.

Version: 5.13.0.12202 Date: Dec. 2013 (not include PS/2 driver)

Bug Fixed:

Fixed bug for the display page of eGalaxTouch utility not update immediately after do monitor mapping.

Known Problem:

1. The serial (COM) touchscreen may not work due to some Virtual Machine(for ex. VMware). This is because virtual machine may change serial port driver behaviors. To work around this problem, be sure to enable PnP function for serial port for EETI's driver.

Version: 5.13.0.12128 Date: Nov. 2013 (not include PS/2 driver)

Bug Fixed:

1. Fixed bug for eGalaxTouch utility will crash when set the display page.

Known Problem:

1. The serial (COM) touchscreen may not work due to some Virtual Machine(for ex. VMware). This is because virtual machine may change serial port driver behaviors. To work around this problem, be sure to enable PnP function for serial port for EETI's driver.

Version: 5.13.0.12113 Date: Nov. 2013 (not include PS/2 driver)

Bug Fixed:

1. Fixed bug for system maybe will crash if keep touch the touch sensor when system boot.

Known Problem:

1. The serial (COM) touchscreen may not work due to some Virtual Machine(for ex. VMware). This is because virtual machine may change serial port driver behaviors. To work around this problem, be sure to enable PnP function for serial port for EETI's driver.

Version: 5.13.0.12111 Date: Nov. 2013 (not include PS/2 driver)

Bug Fixed:

1. Fixed bug for a touch device will map to wrong monitor after reboot on some system.

Known Problem:

1. The serial (COM) touchscreen may not work due to some Virtual Machine(for ex. VMware). This is because virtual machine may change serial port driver behaviors. To work around this problem, be sure to enable PnP function for serial port for EETI's driver.

Version: 5.13.0.12002 Date: Oct. 2013 (not include PS/2 driver)

Bug Fixed:

1. Fixed bug for if user do linearization not follow correct process ,the eGalaxTouch utility will crash after do 4 points calibration.
2. Fixed some links of user guide not works issue.

Known Problem:

1. The serial (COM) touchscreen may not work due to some Virtual Machine(for ex. VMware). This is because virtual machine may change serial port driver behaviors. To work around this problem, be sure to enable PnP function for serial port for EETI's driver.

Version: 5.12.0.11912 Date: Sep. 2013(include PS/2 driver for Windows 7)

New Feature:

1. USB driver support PCAP7900 series.

Known Problem:

1. The serial (COM) touchscreen may not work due to some Virtual Machine(for ex. VMware). This is because virtual machine may change serial port driver behaviors. To work around this problem, be sure to enable PnP function for serial port for EETI's driver.

Version: 5.13.0.11807 Date: Aug. 2013 (not include PS/2 driver)

Bug Fixed:

Fixed bug for when system has connect many DisplayLink USB graphic cards.
If one card set to mirror mode , all touch devices will not map to correct monitor.

Known Problem:

1. The serial (COM) touchscreen may not work due to some Virtual Machine(for ex. VMware). This is because virtual machine may change serial port driver behaviors. To work around this problem, be sure to enable PnP function for serial port for EETI's driver.

Version: 5.13.0.11328 Date: APR. 2013(not include PS/2 driver)

New Feature:

1. The USB driver supports PID A040~A07F.

Version: 5.13.0.11327 Date: MAR. 2013(not include PS/2 driver)

New Feature:

1. If the touch device is PCAP7200 , the utility will enable 4 points calibration function.

Version: 5.13.0.11319 Date: MAR. 2013(not include PS/2 driver)

New Feature:

1. If the touch device is PCAP , the USB driver will only report first contact point data to system.
2. The USB driver supports PID A100~A17F , B100~B14F, B800~B84F.
3. If the PCAP is 7900 series , the eGalaxTouch utility will disable 4 points calibration function.

Known Problem:

1. The serial (COM) touchscreen may not work due to some Virtual Machine(for ex. VMware). This is because virtual machine may change serial port driver behaviors. To work around this problem, be sure to enable PnP function for serial port for EETI's driver.

Version: 5.13.0.11110 Date: Jan. 2013 (not include PS/2 driver)

Bug Fixed:

1. When disable "Auto Right Click" and "Support Rotation" functions From tray icon .
If touch and hold after 1 sec. , the driver will not report mouse left button up message after finger leave off.
2. The eGalaxTouch utility will crash after load hardware parameters to ESCAP7000 touch controller.

Known Problem:

1. The serial (COM) touchscreen may not work due to some Virtual Machine(for ex. VMware). This is because virtual machine may change serial port driver behaviors. To work around this problem, be sure to enable PnP function for serial port for EETI's driver.

Version: 5.13.0.10928 Date: Dec. 2012(not include PS/2 driver)

New Feature:

1. USB and RS-232 driver got Windows 8 certification.
2. The USB driver supports PID 7900~794F , 2200~221F, A800~A84F

Known Problem:

1. The serial (COM) touchscreen may not work due to some Virtual Machine(for ex. VMware). This is because virtual machine may change serial port driver behaviors. To work around this problem, be sure to enable PnP function for serial port for EETI's driver.

Version:5.12.0.10719 Date: Sep. 2012**New Feature:**

If device is projected capacitive device, all calibration UI will be disabled.
Because the projected capacitive device does not need to do calibration.

Known Problem:

1. The serial (COM) touchscreen may not work due to some Virtual Machine(for ex. VMware). This is because virtual machine may change serial port driver behaviors. To work around this problem, be sure to enable PnP function for serial port for EETI's driver.

Version:5.12.0.10517 Date: July 2012**New Feature:**

Draw test tool supports 10 fingers.

Known Problem:

1. The serial (COM) touchscreen may not work due to some Virtual Machine(for ex. VMware). This is because virtual machine may change serial port driver behaviors. To work around this problem, be sure to enable PnP function for serial port for EETI's driver.

Version:5.12.0.10220 Date: May 2012**New Feature:**

USB driver supports PID7901 ~ 790A.

Bug Fixed:

fixed bug for the USB touch driver can not pass through power down request packet to lower level driver when the touch driver's Read Thread still in the sleep state.

Known Problem:

1. The serial (COM) touchscreen may not work due to some Virtual Machine(for ex. VMware). This is because virtual machine may change serial port driver behaviors. To work around this problem, be sure to

enable PnP function for serial port for EETI's driver.

Version:5.11.0.9903 Date: Jan. 2012

New Feature:

1. The orientation page of ESC7700 Hardware setting only display Normal Mode and Enumeration Mode
2. The Misc. page of ESC7700 Hardware setting only display Speed Mode.

Known Problem:

1. The serial (COM) touchscreen may not work due to some Virtual Machine(for ex. VMware). This is because virtual machine may change serial port driver behaviors. To work around this problem, be sure to enable PnP function for serial port for EETI's driver.

Version:5.11.0.9805 Date: Dec. 2011

New Feature:

- 1.USB driver supports PID7400~7420 and 7900.
- 2.Hardware setting of eGalaxTouch utility supports MER4040 ,MER4050 and MER4080.

Known Problem:

1. The serial (COM) touchscreen may not work due to some Virtual Machine(for ex. VMware). This is because virtual machine may change serial port driver behaviors. To work around this problem, be sure to enable PnP function for serial port for EETI's driver.

Version:5.11.0.9223 Date: Jun. 2011

Bug Fixed:

1. fixed the USB driver can not be installed in the Windows 2000 when user plug in the USB interface touch device.

Known Problem:

1. The serial (COM) touchscreen may not work due to some Virtual Machine(for ex. VMware). This is because virtual machine may change serial port driver behaviors. To work around this problem, be sure to enable PnP function for serial port for EETI's driver.

Version:5.11.0.9126 Date: May 2011

Bug Fixed:

1. fixed the install process will install PS/2 driver in the Windows 64 bits OS when user select does not install PS/2 driver.

Known Problem:

1. The serial (COM) touchscreen may not work due to some Virtual Machine(for ex. VMware). This is because virtual machine may change serial port driver behaviors. To work around this problem, be sure to enable PnP function for serial port for EETI's driver.

Version:5.11.0.9123 Date: May 2011**Bug Fixed:**

1. modified some strings for the language Dutch.

Known Problem:

1. The serial (COM) touchscreen may not work due to some Virtual Machine(for ex. VMware). This is because virtual machine may change serial port driver behaviors. To work around this problem, be sure to enable PnP function for serial port for EETI's driver.

Version:5.11.0.9120 Date: May 2011**Bug Fixed:**

1. Fixed bug for Windows 7 will crash by USB touch screen driver when system reboot.
2. Fixed shortcut can not work in the some Windows XP systems.

New Feature:

- 1: Add install driver for PCAP device , if PID = 72F0~72FA and PID = 7300 ~ 73FF.
- 2: Add install Driver for new product PID 4000 ~ 403F

Known Problem:

1. The serial (COM) touchscreen may not work due to some Virtual Machine(for ex. VMware). This is because virtual machine may change serial port driver behaviors. To work around this problem, be sure to enable PnP function for serial port for EETI's driver.

Version:5.10.0.9026 Date: Apr. 2011

Add the eGalaxTouch utility will check the xTouchMon is launched Or not. If the xTouchMon is not launched , the utility will launched it.

Known Problem:

1. The serial (COM) touchscreen may not work due to some Virtual Machine(for ex. VMware). This is because virtual machine may change serial port driver behaviors. To work around this problem, be sure to enable PnP function for serial port for EETI's driver.

Version:5.10.0.8706 Date: Jan. 2011

Hide some hardware setting pages of ESC7700.

Known Problem:

1. The serial (COM) touchscreen may not work due to some Virtual Machine(for ex. VMware). This is because virtual machine may change serial port driver behaviors. To work around this problem, be sure to enable PnP function for serial port for EETI's driver.

Version:5.10.0.8519 Date: Nov. 2010

Bug Fixed:

Modify some parameters type from integer to unsigned integer for ESC7700 product.

Known Problem:

1. The serial (COM) touchscreen may not work due to some Virtual Machine(for ex. VMware). This is because virtual machine may change serial port driver behaviors. To work around this problem, be sure to enable PnP function for serial port for EETI's driver.

Version:5.10.0.8427 Date: Oct. 2010

Bug Fixed:

Fixed USB driver's bug for sometimes system will crash when Windows 7 system boot.

Known Problem:

1. The serial (COM) touchscreen may not work due to some Virtual Machine(for ex. VMware). This is because virtual machine may change serial port driver behaviors. To work around this problem, be sure to enable PnP function for serial port for EETI's driver.

Version:5.9.0.8409 Date: Oct. 2010

Bug Fixed:

Fixed bug for if touch device is Saturn and firmware version is 1.13 , The 4 points calibration data was not stored in device after do 4 points calibration when device already have linearization data.

Known Problem:

1. The serial (COM) touchscreen may not work due to some Virtual Machine(for ex. VMware). This is because virtual machine may change serial port driver behaviors. To work around this problem, be sure to enable PnP function for serial port for EETI's driver.

Version:5.9.0.8404 Date: Oct. 2010

Bug Fixed:

Fixed bug for touch points linearization after do 9 or 25 points linearization calibrate when monitor's orientation is 90 , 180 , 270

New Feature:

1. Add Hardware calibration function in Hardware information page of the eGalaxTouch utility for PCAP products.
2. Add install driver for PCAP device , if PID = 7240 ~ 72F0 and PID = A000 ~ A0F0.

Known Problem:

1. The serial (COM) touchscreen may not work due to some Virtual Machine(for ex. VMware). This is because virtual machine may change serial port driver behaviors. To work around this problem, be sure to enable PnP function for serial port for EETI's driver.

Version:5.9.0.8226 Date: Aug. 2010

Bug Fixed:

Fixed bug for the serial port registry key will be remove when uninstall USB driver.

New Feature:

1. Gray "4 point calibration" , "Clear and Calibrate" and "linearization" button of Tool page of eGalaxTouch utility when the device is infrared device.
2. the xAuto4PtsCal.exe will not execute 4 point calibration when the device is infrared.
3. the xTouchMon will not display "4 Points Calibration" item when the first device is infrared device.
4. Add hardware configuration pages for ESC7700 product.

Known Problem:

1. The serial (COM) touchscreen may not work due to some Virtual Machine(for ex. VMware). This is because virtual machine may change serial port driver behaviors. To work around this problem, be sure to enable PnP function for serial port for EETI's driver.

Version:5.9.0.7903 Date: May. 2010

Bug Fixed:

Fixed bug for RS-232 port will not work when un-plug and plug a touch device.

Known Problem:

1. The serial (COM) touchscreen may not work due to some Virtual Machine(for ex. VMware). This is because virtual machine may change serial port driver behaviors. To work around this problem, be sure to enable PnP function for serial port for EETI's driver.

Version:5.8.0.7716 Date: Mar. 2010

Bug Fixed:

Fixed the calibration window can not display correct when the monitor resolution is big then 1600*1200

Known Problem:

1. The serial (COM) touchscreen may not work due to some Virtual Machine(for ex. VMware). This is because virtual machine may change serial port driver behaviors. To work around this problem, be sure to enable PnP function for serial port for EETI's driver.

Version:5.8.0.7422 Date: Jan. 2010

Bug Fixed:

1. Fixed can not play beep sound from system beep (PS/2 driver)
2. Fixed bug for the cursor still can move when the mouse mode set to "Click On Touch Without Moving Cursor" and "Click On Release Without Moving Cursor ".(For use muti touch controller)

Known Problem:

1. The serial (COM) touchscreen may not work due to some Virtual Machine(for ex. VMware). This is because virtual machine may change serial port driver behaviors. To work around this problem, be sure to enable PnP function for serial port for EETI's driver.

Version:5.8.0.7308 Beta Date: Dec. 2009

Bug Fixed:

Fixed driver handles power operation not correct.

Known Problem:

1. The serial (COM) touchscreen may not work due to some Virtual Machine(for ex. VMware). This is because virtual machine may change serial port driver behaviors. To work around this problem, be sure to enable PnP function for serial port for EETI's driver.

Version:5.8.0.7227 Date: Nov. 2009

Bug Fixed:

Fixed can not play beep sound from system beep
(USB and RS-232 device driver)

Known Problem:

1. The serial (COM) touchscreen may not work due to some Virtual Machine(for ex. VMware). This is because virtual machine may change serial port driver behaviors. To work around this problem, be sure to enable PnP function for serial port for EETI's driver.

Version:5.7.0.7205 Date: Nov. 2009

Bug Fixed:

1. The mouse mode "Click On Touch Without Moving Cursor" and "Click On Release Without Moving Cursor" do not work correct when driver handle Multi-Touch points.
2. Fixed the system will bluescreen during run Microsoft WLK test tool.

Known Problem:

1. The serial (COM) touchscreen may not work due to some Virtual Machine(for ex. VMware). This is because virtual machine may change serial port driver behaviors. To work around this problem, be sure to enable PnP function for serial port for EETI's driver.

Version:3.6.0.6917 Date: Aug. 2009 (For WinNT4)

Bug Fixed:

Fixed bug for utility's UI can not display correct when check or uncheck "Support Constant Touch" or "Support Auto Right Button" items.

Version:3.8.0.6617 Date: Aug. 2009 (For Win98)

Bug Fixed:

Fixed bug for utility's UI can not display correct when check or uncheck "Support Constant Touch" or "Support Auto Right Button" items.

Version:5.6.0.6806 Date: Jul. 2009

Bug Fixed:

1. Touchscreen drivers report wrong leave up points data during more then two user operate the Multi-User Capacitive Controller (SCAP7080).
2. The utility will be crash when it runs calibration .

Known Problem:

1. The serial (COM) touchscreen may not work due to some Virtual Machine(for ex. VMware). This is because virtual machine may change serial port driver behaviors. To work around this problem, be sure to enable PnP function for serial port for EETI's driver.

Version:5.5.0.6701 Date: Jun. 2009

New Feature:

1. Support get external button event for a special touch device. That special device has some external buttons. (Only RS-232 and USB driver support this function.)
2. User can get discriminating ID of Real Multi-Point from ExtraInfo of Mouse event for Real Multi-Touch device. (Only RS-232 and USB driver support this function.)

Bug Fixed:

1. If baudrate of serial device is not 9600 , user can see the serial device is always PnP.
2. Display page of utility can not show correct position of monitors.
3. If system has mirroring driver mode display device (pseudo device), utility will pop-up a error message dialog when user run calibration or draw test
4. eGalaxTouch utility will crash when do calibration.
5. xTouchMon will crash when system boot or plug and play USB devices.

Known Problem:

2. The serial (COM) touchscreen may not work due to some Virtual Machine(for ex. VMware). This is because virtual machine may change serial port driver behaviors. To work around this problem, be sure to enable PnP function for serial port for EETI's driver.

Version:3.7.0.6416 Date: Jun. 2009 (For Win98)

Bug Fixed:

Fixed bug for utility's beep frequency slider bar and beep duration slider bar and double click speed and double click area can not work at Windows95.

Version:5.4.0.6524 Date: Apr. 2009

Bug Fixed:

1. Serial bus driver sometimes can not detect touchscreen device at some systems.

Known Problem:

1. The serial (COM) touchscreen may not work due to some Virtual Machine(for ex. VMware). This is because virtual machine may change serial port driver behaviors. To work around this problem, be sure to enable PnP function for serial port for EETI's driver.
2. On this case that the Mouse mode of touchscreen is "Desktop Mode" and touchscreen not map to the first monitor. The first report point coordinates of left mouse down message is not correct.

Version:5.3.0.6403 Date: March. 2009

Bug Fixed:

1. the mouse cursor can not go to the monitor edge after IR touchscreen controller do calibration.

Known Problem:

1. The serial (COM) touchscreen may not work due to some Virtual Machine(for ex. VMware). This is because virtual machine may change serial port driver behaviors. To work around this problem, be sure to enable PnP function for serial port for EETI's driver.
2. On this case that the Mouse mode of touchscreen is "Desktop Mode" and touchscreen not map to the first monitor. The first report point coordinates of left mouse down message is not correct.

Version:5.2.0.6313 Date: Feb. 2009

Bug Fixed:

1. Mouse Mode list of xTouchMon tray icon did not has a Desktop Mode item.

Known Problem:

1. The serial (COM) touchscreen may not work due to some Virtual Machine(for ex. VMware). This is because virtual machine may change serial port driver behaviors. To work around this problem, be sure to enable PnP function for serial port for EETI's driver.
2. On this case that the Mouse mode of touchscreen is "Desktop Mode" and touchscreen not map to the first monitor. The first report point coordinates of left mouse down message is not correct.

Version:3.5.1.6217 Date: Jan. 2009 (For Win98)

Bug Fixed:

Fixed bug for can not set the frequency and duration of the beep when Set "Beep from System Beep".

Version:5.1.1.6208 Date: Jan. 2009

New Feature:

1. Add one more mouse operation mode "Desktop Mode".
2. Add Active Area Function.
3. Add Drag Working Area function for setting Customized working Area of Multi-Monitor operation.

Bug Fixed:

1. Fixed bug for Mouse state maybe not correct after do multi touch or gesture.
2. Fixed bug for the multi touch and gesture still work when touch function was disable.
3. Fixed bug for difference devices of same interface can not set difference frequency and duration of sound when set Beep From Sound Card.
4. Fixed bug for run 4 points calibration from xTouchMon. The calibration window sometimes can not get points data.
5. Fixed buf for run 4points calibration from xTouchMon and wait to timeout. Then xTouchMon will popup a dialog to query user do Calibration again or not. Then press "Yes" to do calibration again after wait around 10 minutes. Then the xTouchMon will not do calibration again and the 4 points calibration item of xTouchMon menu is grayed.

Known Problem:

1. The serial (COM) touchscreen may not work due to some Virtual Machine(for ex. VMware). This is because virtual machine may change serial port driver behaviors. To work around this problem, be sure to enable PnP function for serial port for EETI's driver.
2. On this case that the Mouse mode of touchscreen is "Desktop Mode" and thouchscreen not map to the first monitor. The first report point coordinates of left mouse down message is not correct.

Version:5.1.0.6206 Date: Jan. 2009

Bug Fixed:

1. Fixed bug for system can not into the S3/S4 state due to xTouchMon always open audio device for play beep sound

Known Problem:

1. The serial (COM) touchscreen may not work due to some Virtual

Machine(for ex. VMware). This is because virtual machine may change serial port driver behaviors. To work around this problem, be sure to enable PnP function for serial port for EETI's driver.

2. Always use device Duration of Beep and Frequency of Beep of first Touchscreen device to play sound when beep source setting is Beep from sound card.

Version:3.5.0.6123 Date: Dec. 2008 (For Win98 and WinNT 4.0)

New Feature:

1. Switch the logo and name.
2. Gray all setting UI of Edge Coefficient when the Edge Coefficient Function is set to disable.

Version:3.5.0.6110 Date: Dec. 2008 (For Win98 and WinNT 4.0)

New Feature:

1. Add play beep from sound card.

Version:5.1.0.6110 Date: Dec. 2008

New Feature:

1. Let user can set show or hide the "Monitor Mapping." Button of general page of eGalaxTouch Utility.

User can modify the value "ShowMonitorMappingBtn" of the eGalaxTouch.ini to set show or hide the "Monitor Mapping." Button. before install driver. 0 = Hide the "Monitor Mapping." Button
1 = Show the "Monitor Mapping." Button

2. Let user can set show or hide the "Refresh Device List" Button of general page of eGalaxTouch Utility.

User can modify the value "ShowRefreshBtn" of the eGalaxTouch.ini to set show or hide the "Monitor Mapping." Button. before install driver. 0 = Hide the "Refresh Device List" Button
1 = Show the "Refresh Device List" Button

3. eGalaxTouch utility will hide "Hardware Setting" button of Hardware Information page when the touchscreen device not support advance hardware setting.

Known Problem:

1. The serial (COM) touchscreen may not work due to some Virtual Machine(for ex. VMware). This is because virtual machine may change serial port driver behaviors. To work around this problem, be sure to enable PnP function for serial port for EETI's driver.
2. Always use device Duration of Beep and Frequency of Beep of first Touchscreen device to play sound when beep source setting is Beep from sound card.

Version:5.1.0.6105 Date: Dec. 2008

New Feature:

1. Let user can set Duration and Frequency for Beep from Sound card.
2. Shorten scan and add COM port device times.

Known Problem:

1. The serial (COM) touchscreen may not work due to some Virtual Machine(for ex. VMware). This is because virtual machine may change serial port driver behaviors. To work around this problem, be sure to enable PnP function for serial port for EETI's driver.
2. Always use device Duration of Beep and Frequency of Beep of first Touchscreen device to play sound when beep source setting is Beep from sound card.

Version:5.1.0.6103 Date: Dec. 2008

New Feature:

1. Play wave file for Beep from sound card on the Windows 2000 platform.

Bug Fixed:

1. The Auto right click can not work when set un-support rotation on the tray icon.

Known Problem:

The serial (COM) touchscreen may not work due to some Virtual Machine(for ex. VMware). This is because virtual machine may change serial port driver behaviors. To work around this problem, be sure to enable PnP function for serial port for EETI's driver.

Version:5.1.0.6026SP Date: Nov. 2008

New Feature:

Add a Refresh Device List Button on the eGalaxTouh utility for refresh COM port device status.

Known Problem:

The serial (COM) touchscreen may not work due to some Virtual Machine(for ex. VMware). This is because virtual machine may change serial port driver

behaviors. To work around this problem, be sure to enable PnP function for serial port for EETI's driver.

Version:5.1.0.6025 Date: Nov. 2008

New Feature:

1. Gray all of the buttons to adjust the parameters of Constant Touch Area if Constant Touch function disabled.
2. Gray all of the buttons to adjust the parameters of Auto Right Click Time if Auto Right Click function disabled.
3. To position Active COM port touchscreen device to head position

Bug Fixed:

1. The eGalaxTouch utility not display a COM port Device not connect icon when the eGalaxTouch utility detect the COM port device not connect during the "Support232PnP" value set to Disable PnP.

Known Problem:

The serial (COM) touchscreen may not work due to some Virtual Machine(for ex. VMware). This is because virtual machine may change serial port driver behaviors. To work around this problem, be sure to enable PnP function for serial port for EETI's driver.

Version:5.1.0.6018 Date: Nov. 2008

New Feature:

1. Switch the logo and name.
2. User can set COM port enumerate driver(Combus.sys) PnP function to disable or enable.
User can modify the value "Support232PnP" of the eGalaxTouch.ini to set PnP function before install driver. 0 = disable PnP , 1 = Enable PnP function.
3. Modify the target symbol of Calibration function.
4. Gray all of the buttons to adjust the parameters of edge compensation if Edge compensation function disabled.

Bug Fixed:

1. The Auto Monitor mapping function can not display when the coordinates Of a monitor at minus coordinates.
2. Some strings of Auto Monitor mapping function can not display correct on the Windows XP Embedded.

Known Problem:

The serial (COM) touchscreen may not work due to some Virtual Machine(for ex. VMware). This is because virtual machine may change serial port driver behaviors. To work around this problem, be sure to enable PnP function for serial port for EETI's driver.

Version:5.0.2.5922 Date: Oct. 2008

New Feature:

1. Support expandable COM port.
2. Add Auto Monitor Mapping function.
3. Add COMbus setting function.
4. Modify calibration display pictures.

Bug Fixed:

xTouchMon sometimes would be suddenly close when system reboot or resume from sleep.

Version:5.0.1.5622 Date: Jul. 2008

New Feature:

Play wave sound file when beep from sound card.
User can replace the wave file.

Version:5.0.1.5310 Date: May. 2008

New Feature:

- 1.Support Beep from Sound card.
- 2.Support Multi-Player Controller.

Version:5.0.0.5307 Date: Apr.. 2008

Bug Fixed:

When utility do calibration, it maybe can not get current monitor Orientation.

Version:5.0.0.5203 Date: Mar. 2008

Update USB touchscreen 64bits driver for Windows XP x64.
Thses drivers base on 32bits v5.0.0.5017 USB and serial touchscreen drivers.

Version:5.0.0.5120 Date: Feb. 2008

1. Gray Beep setting item of Touchkit utility at Windows 64bits OS
2. Remove some SCAT8600 Frequency setting item.

Version:5.0.0.5017 Date: Jan. 2008

New Feature:

Add Support New Capacitive Controller (ESCAP7000).

Bug Fixed:

- 1.) Some times read/write hardware information does not smooth.
- 2.) After system resume from sleep the Utility read/write hardware will be

become slower.

Version: 4.3.8.4913 Date: Dec. 2007

New Feature:

Add “Retrun to Default” button in Saturn Hardware Setting Page.

Version: 4.3.8.4720 Date: Nov. 2007

Bug Fixed:

Fixed bug for the mouse cursor coordinates did not match the user touch down place in the draw test window of Touchkit utility.

Version: 4.3.8.4619 Date: Oct. 2007

Bug Fixed:

- 1.) The Touchkit utility will surprise close when a USB controller remove.
- 2.) xTouchmon will pop-up “EnumDisplayMonitors failed” message dialog when switch user account.

Version: 4.3.8.4612 Date: Oct. 2007

Bug Fixed:

The Saturn Hardware setting page of Touchkit utility can not close when remove Saturn USB controller.

Version: 4.3.8.4609 Date: Oct. 2007

Bug Fixed:

Touchkit verify paramenter of SAW controller(Firmware 1.7) failed.

Version: 4.3.8.4527 Date: Sep. 2007

Bug Fixed:

- 1.) Touchkit uninstall utility will remove PS/2 device driver that it not Touchkit PS/2 touchscreen controller .
- 2.) Modify Double-Click speed setting range from 300ms ~ 900ms to 200ms~900ms.

Version: 4.3.8.4427 Date: Aug. 2007

Bug Fixed:

- 1.) Correct some wrong strings.
- 2.) Fixed bug for xTouchMon can not work and can not complete calibration at some computer that these computer use VIA’s display chipset.

Version: 4.3.8.4406 Date: Aug. 2007

Bug Fixed:

Fixed bug for do not display these two words “Clear” and “Quit” in the Draw Test windows of Touchkit Utility .

Version: 4.3.8.4207 Date: Jun. 2007

New Feature:

Check linearization after do calibration. This feature will warn the user when the user to do a wrong calibration .

Bug Fixed:

- 1.)Fixed bug for USB touchscreen controller can not work after computer resume from standby state.
- 2.) Remove selective suspend function of USB driver.

Version: 4.3.8.4124 Date: May. 2007

New Feature:

Translate strings of Saturn/ Scat / BAT / Hardware setting page to Korean.

Version: 4.3.8.4108 Date: May. 2007

New Feature:

Let user can modify each points touch hold time when do calibration.

Version: 4.3.8.3808 Date: Feb. 2007

New Feature:

Latest Driver package for Windows Vista 32bits
Support firmware :

Version: 4.3.7.3715 Date: JAN. 2007

Bug Fixed:

- 1.) If the Touchkit Utility is opening ,the computer will hang along time to shutdown or reboot .(for Windows2000/XP)
- 2.)Sometimes the Touchkit Utility can not enumerate inactive monitor.

Version: 4.3.7.3703 Date: Jan. 2006

Bug Fixed:

Modified the hide display page flag default setting of Touchkit utility to display the Display Page.(for Windows 2000/XP)

Version: 4.3.7.3614 Date: Dec. 2006

New Feature:

Support rotation function of VIA graphic chipset .(for Windows2000/XP)

Version: 4.3.7.3326 Date: Sep. 2006

Bug Fixed:

- 1.) When user rotate the display in a computer that use AMD graphic chipset .
Then reboot the system . The direction of rotation will failed .(for Windows 2000/XP)

Version: 4.3.7.3321 Date: Sep. 2006

Bug Fixed:

- 1.)When user rotate the display in a computer that use Intel graphic chipset .
Then reboot the system . The direction of rotation will failed .(for Windows 2000/XP)

Version: 4.3.7.3308 Date: Sep. 2006

New Feature:

- 1.) Add new feature . Let Linearization curve map of Touchkit utility can be hidden.
User can modify the touchkit_reg.ini file to set this feature.(for Windows2000/XP)

Version: 4.3.7.3307 Date: Sep. 2006

New Feature:

- 1.)Add new feature . Can set Mouse Switch Left/Right Button icon size.
(for Windows2000/XP)

Version: 4.3.7.3306 Date: Sep. 2006

- 1.) Modify some Spanish string. (for Windows2000/XP)

Version: 4.3.7.3203 Date: Aug. 2006

Bug Fixed:

- 1.)The linearation cause touch malfunction in Windows OS.
(for Windows2000/XP)

Version: 4.3.6.3131 Date: Jul. 2006

Bug Fixed:

- 1.)Spanish string could not display in Spanish Language Windows OS.
(for Windows2000/XP)
- 2.)If Serial Touch Controller not connect , the utility will hang a long time.

Version: 4.3.6.3121 Date: Jul. 2006

Bug Fixed:

- 1.) Correct English string for xTouchMon.(for Windows2000/XP)
- 2.) Sometimes xTouchMon can not work and no respond.
- 3.) When close “explorer.exe” and launch the “explore.exe” , the xTouchMon icon can not display.
- 4.) In multi-user function is activated of the system, right button switch windows displayed or not depends on the latest command of user. In new driver, right button switch windows can be activated by each user’s own partition.

Version: 4.3.6.3105 Date: Jul. 2006

New Feature:

- 1.) Display some new messages when press Add or Remove button to add or remove Serial Touchscreen controller.(for Windows2000/XP)

Bug Fixed:

- 1.) Correct Korean string.(for Windows2000/XP)

Version: 4.3.6.3027 Date: Jun. 2006

Bug Fixed:

- 1.) When set default value “HideDisplayPage” to 0x00000000(Do not hide Display Page) from Touchkit_reg.ini . But it still can not display Display page (for Windows2000/XP)

Version: 4.3.6.3014 Date: Jun. 2006

Bug Fixed:

- 1.) Correct English string. (for Windows2000/XP)
- 2.) Remove some debug code. because some times it will display some messages. (for Windows 2000/XP)

Version: 4.3.6.2817 Date: April. 2006

New Feature:

- 1.) If Touchscreen controller type is Serial . The Hardware page of Touchkit Utility will show the Serial Controller connect to which port. (for WindowsXP)

Bug Fixed:

- 1.) Correct English string. (for Windows2000/XP)
- 2.) xTouchMon sometimes will hang and can not exit. (for Windows2000/XP)
- 3.) When do Uninstall , the USB Controller Hardware registry key can not be removed. (for Windows2000/XP)

Version: 4.3.5 Date: March. 2006

New Feature:

- 1.) Can enable or disable Selective Suspension for USB devices from registry. (for WindowsXP)

Bug Fixed:

- 1.) Correct Simplified Chinese string. (for Windows2000/XP)
- 2.) xTouchMon application sometimes could not be launched. (for Windows2000/XP)
- 3.) When do calibration or linearization, will result "Unexpected error"
(for Windows2000/XP)

Version: 4.3.4 Date: March. 2006**New Feature:**

- 1.) Display Page of Touchkit Utility could be hide. This feature could be set in touchkit_reg.ini. (for Windows2000/XP)

Bug Fixed:

- 1.) After complete Calibration, a completion dialog is going to popup. Then remove USB Controller before close this completion dialog. The Touchkit utility will fail.
- 2.) If system has multi-user, maybe the touchkit utility and TouchMon can have many instance. (for Windows2000/XP)
- 3.) Correct Simplified Chinese string. (for Windows2000/XP)
- 4.) When launch Touchkit Utility from TouchMon, the About page of Touchkit Utility does not work correct.(for Windows2000/XP)

Version: 4.3.3 Date: February. 2006**New Feature:**

- 1.) Gray all monitor rectangle When Disable Multiple Monitors function. (for Windows2000/XP)
- 2.) add some dialog box to prompt user.(for Windows2000/XP)

Bug Fixed:

- 1.) Correct some strings.(for Windows2000/XP)
- 2.) When set this function "Map to main display if system has only one display monitor" in Display page of Touchkit Utility. this function does not work. (for Windows2000/XP)
- 3.) When set Double Click Area to Max Value, maybe have some trouble. correct limite the Max value = 50 pixel. (for Windows2000/XP)
- 4.) Correct Edge compensation default value = 100% .(for Windows2000/XP)
- 5.) USB driver make mistakes when it handle message "stall".

Version: 4.3.2 Date: February. 2006**New Feature:**

- 1.) When the right mouse button window is displayed,check marking in "button" item among TouchMon menu.(for Windows2000/XP)

Bug Fixed:

- 1.) When unistall the driver, the Touchkit folder locked problem. (for Windows2000/XP)
- 2.) 4 point calibration messages even no device install during driver installation. (for Windows2000/XP)
- 3.) Warning message in the display settings is displayed by Chinese character.

- (for Windows2000/XP)
- 4.) TouchMon can have many instance. (for Windows2000/XP)

Version: 4.3.1 Date: January. 2006

New Feature:

- 1.) Support Seletive Suspension for USB devices for Power saving .
(Only for Windows XP)
- 2.) Make Right Button Window movable . (for Windows2000/XP)

Bug Fixed:

- 1.) Correct Korean string. (for Windows2000/XP)

Version: 4.3.0 Date: January. 2006

New Feature:

- 1.) Add property pages in Device manager(for Windows2000/XP).
- 2.) Modify UI of Touchkit utility(for Windows2000/XP).
- 3.) Add TouchMon utility.It will display at notification area(for Windows2000/XP).
- 4.) Support 2048x2048 ~ 16384x16384 resolution(for Windows2000/XP).

Bug Fixed:

- 1.) When computer was wakened from S4 status in Windows XP.
Touch controller will not work.
- 2.) When do 25 points calibration in WinCE(x86) ,it maybe produce EEPROM
checksum false.

Version: 4.0.2.1929 Date: Aug. 2005

Bug Fixed:

- 1.) When remove USB driver , the system will crash.
- 2.) Add handle USB communication error code function in USB driver.
When USB driver get USB communication error code, the driver will
reset URB pipe and USB device.
- 3.) Add default controller setting values in registry.
The registry path is :
HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\xTouch
\DeviceDefault

Version: 3.4.0 Date: July. 2005

New Feature:

- 1.) 2 driver packages for Windows 2000/XP. One is version 3.4.0 and the other
one is WHQL certificated driver version 4.0.2
- 2.) USB device can be plugged before driver package installation. Setup
program will update the USB driver automatically in Windows 2000/XP.
- 3.) iMac driver (version 1.08) support
 - a.) Mouse Mode
 - b.) Constant Touch
 - c.) Auto Right button

- 4.) WinCE driver (version 2.10) support Multi-language and include MFC Lib.
- 5.) DOS driver(version 6.0.7) support Constant Touch

Bug Fixed:

- 1.) 25 points calibration cause touch malfunction in Windows OS.
- 2.) Setup program can not always install PS2 driver successfully in Windows 2000/XP
- 3.) Data lost in USB high report rate model of controller in Windows 98/ME

Known Problem:

- 1.) Add/Remove PS2 driver in version 3.x for Windows 2000/XP may cause page fault.

Workaround: Use driver version 4.0.2 instead of 3.x

Version: 3.2.4 Date: February. 2005

Bug Fixed:

- 1.) Fix the bug that the auto-right button timer not precise for capacitive USB and the new edition of 5W USB controller in Windows OS.
- 2.) Fix the bug that the percentage of execution not correct during installation in Windows OS.

Version: 3.2.3 Date: July. 2004

Bug Fixed:

- 1.) Fix the bug that the utility of Touch Tray can not post Right Click after changing right button status in Microsoft Office.

Version: 3.2.2 Date: June. 2004

Bug Fixed:

- 1.) Fix the bug that the utility maybe hanged after monitor mapping in Windows OS.
- 2.) Fix the bug that the utility always show "EEPROM fail" after calibration for 8W USB and capacitive USB controller in Windows OS.

Version: 3.2.1 Date: May. 2004

New Feature:

- 1.) Support "constant touch" for Windows 9X/NT4/ME/2000/XP.
Driver does not report mouse movement event for constant touch when "constant touch" function was activated.
- 2.) Support Auto-Right button. For Windows 9X/NT4/ME/2000/XP.
Driver will report a "right click" mouse event after lift-up from a constant touch if the "Auto-Right button" function was enabled.
- 3.) Enable/disable the pop-up one point calibration utility.
Touchkit utility allows user to enable/disable the pop-up one point calibration utility when the display was rotated by 90 degrees.

Bug Fix:

- 1.) Fix the bug that the system will be hanged during driver installation when the system has built-in software modem which creates virtual COM port in Windows OS.
- 2.) Fix the bug that Touchkit utility reports exception error on some motherboards which has many on board COM ports share same IRQ in Windows 2000/XP.
- 3.) Fix the bug that touch accuracy lost when multi-monitor function enabled and the secondary monitors are located at upper or left side of the primary monitor in Windows OS.