eGalaxTouchManager+ Release Note

v4.16.1.1122 on 2021/11/22

This is a major release. The following items were added and fixed:

What's New

- Support EETI new generation IC family: 81xxx/D4xxxx/B4xxxx
- Utility: add the license expiration alert
- Kernel: upgrade the firmware kernel to v4.16.190
- Kernel: new generation touch point tracking algorithm
- Kernel: new generation finger augmented signal analyzer
- Kernel: support PTP (Precision Touchpad) and relative mouse report protocol

Improvements

- Utility: improve the ability to detect the electrical characteristic of the touch system
- Kernel: improve the noise detection algorithm

Bug fixes

- Kernel: fix the touch function failure issue when finger draws from the inside to outside of the AAKey area
- Kernel: fix the touch point orientation issue when GPIO trigger rotation event frequently
- Kernel: fix the touch performance low issue after frequency hopping when Tx channel is less than 11
- Kernel: fix the touch report HID pressure usage error issue
- Kernel: fix the touch report width/height unexpected value when touch on the edge of the touch panel
- Kernel: fix the pen report unexpected tilt value at 0 degree

v4.14.3.624   on 2021/6/24

This is a hotfix release. The following items were added and fixed:

What's New
- Kernel: upgrade the firmware kernel to v4.14.161

Improvements
- Utility: improve the auto learning speed
- Kernel: improve the 80H84 controller power consumption during I2C power sleep mode

Bug fixes
- Utility: fix the auto learning process failure issue
- Utility: fix the EventTask setting error problem
- Kernel: fix the firmware idle update issue
- Kernel: fix the mouse right click failure issue when finger down count is 0
- Kernel: fix the touch point orientation issue when using one GPIO to trigger rotation
- Kernel: fix the touch wakeup system failure issue when enabling the active area remap function
- Kernel: fix the TP_EN function failure issue for 86Hxxx IC family
- Kernel: fix the controller can't enter sleep state issue when finger is pressed and receives HID over I2C power off command
- Kernel: fix the firmware palm/water/noise condition failure issue on some Windows HID over I2C platform

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v4.14.0.305   on 2021/3/5

This is a major release. The following items were added and fixed:

What's New
- Utility: new improved finger auto learning engine
- Kernel: upgrade the firmware kernel to v4.14.159

Improvements
- Kernel: improve the touch performance under the water condition
- Kernel: improve the touch performance under the noise condition
- Kernel: improve the pen performance under the noise condition
- Kernel: improve active area remap function
- Kernel: improve USB anti-interference ability

Bug fixes

- Kernel: fix firmware failure issue when the number of Tx channels is less than 4
- Kernel: fix the touch no function issue when enabling TP_EN function and wakeup the controller from deep sleep state
- Kernel: fix the 86H82 I2C communication failure issue
- Kernel: fix the 86Hxxx IC family short test issue
- Kernel: fix some unstable frequency hopping issue when enabling the finger augmented signal analyzer function
- Kernel: fix the MPP signal issue on the 86Hxxx IC family

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v4.10.4.903   on 2020/9/3

This is a hotfix release. The following items were added and fixed:

What's New

- Kernel: upgrade the firmware kernel to <u>v4.10.143</u>

Bug fixes

- Kernel: fix the mouse abnormal problem after switching from multi-touch to mouse report via command
- Kernel: fix the problem that the Rx-83 channel of 80H84 cannot be used

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v4.10.3.817   on 2020/8/17

This is a hotfix release. The following items were added and fixed:

What's New

- Kernel: upgrade the firmware kernel to <u>v4.10.142</u>

Bug fixes

- Kernel: fix the 80H46/80H32 image data error when channel "TxEnd+RxStart" is greater than 30
- Kernel: fix the touch issue after switching touch report from multi-touch to mouse format
- Utility: fix the Event Task7~11 setting issue
- Utility: fix the USB serial number parameter issue when upgrading from old kernel

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v4.10.2.729 on 2020/7/29

This is a hotfix release. The following items were added and fixed:

Bug fixes
- Utility: fix some water down/up count parameter setting error
- Utility: fix the auto learning failure issue when controller firmware kernel is v4.08

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v4.10.2.723 on 2020/7/23

This is a hotfix release. The following items were added and fixed:

What's New
- Kernel: upgrade the firmware kernel to v4.10.140

Improvements
- Kernel: improve the UART communication

Bug fixes
- Kernel: fix the finger auto learning failure on the 80H46/80H32 kernel v4.10.139
- Utility: fix the Event Task setting issue for the key event
- Utility: fix the beep on touch issue when using finger and pen alternately

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v4.10.1.622 on 2020/6/22

This is a major release. The following items were added and fixed:

What's New
- Utility: new Event Task function
- Utility: new Password Gesture function
- Kernel: upgrade the firmware kernel to v4.10.139

Improvements
- Kernel: improve finger augmented signal analyzer function
- Kernel: improve the touch performance under the water condition
- Kernel: improve the touch performance when drawing in the corner
- Kernel: improve pen stroke performance

- Kernel: improve double click enhanced function
- Kernel: improve active area remap function

Bug fixes

- Kernel: fix the width and height of palm report unstable issue
- Kernel: fix sometimes the interface switch command failure issue
- Kernel: fix the baseline confidence issue when enabling channel mask function
- Kernel: fix bug where using GPIO to switch finger scenario mode failure issue

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v4.8.1.1219   on 2019/12/19

This is a hotfix release. The following items were added and fixed:

What's New

- Kernel: upgrade the firmware kernel to v4.08.165

Improvements

- Utility: improve the finger touch auto learning accuracy

Bug fixes

- Utility: fix the export firmware sometimes fails
- Kernel: fix the touch unstable issue after frequency hopping
- Kernel: fix the touch disable command failure issue
- Kernel: fix the pen report incorrect pressure value at the first tip position

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v4.8.1.1212   on 2019/12/12

This is a major release. The following items were added and fixed:

What's New

- Utility: support parameter import function
- Utility: support eGalaxPen linear calibration
- Kernel: upgrade the firmware kernel to v4.08.164
- Kernel: new finger augmented signal analyzer function
- Kernel: new interface report mode setting (Simultaneous or USB First)
- Kernel: support report protocol compatible function

Improvements

- Kernel: improve finger touch performance
- Kernel: improve palm rejection performance
- Kernel: improve eGalaxPen draw in/out compensation

Bug fixes

- Kernel: fix power on short test stability issue
- Kernel: fix eGalaxTuner draw test issue when enabling the active area mapping function
- Kernel: fix touch drawing issue when enabling double click enhanced function
- Kernel: fix touch drawing issue once palm condition is detected
- Kernel: fix image speed up function issue