HP2550&&HP2560 V2.0.0_2025-01-07

1.The relative barometer algorithm is changed to calculate based on absolute barometer, outdoor temperature and altitude. And change the Rel Barometer setting to Altitude for REL.

2.Supports LDS01 laser distance sensors.

HP2550&&HP2560 V1.9.9_2024-11-28

1. Modify the 10-minute average wind speed calculation.

2. Part of the AQI sensors added to display the DC icon when it works.

3. Fix bugs about the OTA process, display icon, rain display logic, and SD card storage.

HP2550&&HP2560 V1.9.8_2024-8-13

1. Fix the bug where the voltage of the WS90 supercapacitor is not being uploaded to the Ecowitt server. (While the wifi firmware is EasyWeatherPro_V5.1.5)

HP2550&&HP2560 V1.9.7_2024-6-26

1. Optimize some display and different language translation issues.

2. Fix the incorrect record time in the history data interface.

3. Optimize parameter storage.

HP2550&&HP2560 V1.9.6_2024-4-30

1. Support WS85 sensor.

2. Optimize UI.

3. Fix some bug we known.

HP2550&&HP2560 V1.9.5_2024-3-15

1. Add eight channel AD values for WH51 soil moisture sensor data upload via WiFi.

2. Update the calculation parameter for outdoor temperature compensation, changing from the average of the last eight gusts to the average wind speed over 10 minutes.

3. Modify the color of the 10-minute average wind direction indicator on the main interface with a black background, changing it from dark gray to white.

4. If the rainfall display is set to piezoelectric rain gauge, display 'piezo' below the daily rain reading.

5. When a temperature, humidity, and barometric pressure sensor is detected, set the T&HP sensor to 'Disable' by default. When the user enables the T&HP sensor, give its data higher priority over the built-in probe.

6. Change domain names:

www.Wunderground.com to Wunderground.com

www.Weathercloud.net to Weathercloud.net

www.WeatherObservationsWebsite.com to wow.metoffice.gov.uk

www.ecowitt.net to ecowitt.net

7. Add support for the WN35 transmitter in the Czech language version.

8. When receiving a signal from the WH46, add PM1.0 and PM4.0 to the cycle on the main interface.

9. Add a Wi-Fi switch setting option.

10. Implement host firmware OTA updates; if auto OTA is checked, perform an automatic OTA upon first power-up and then daily thereafter.

11. Add a 10-minute gust display feature on the main interface, with an option in the 'more settings' to switch between displaying the 10-minute average wind speed or the 10-minute gust.

12. Change the maximum Air Quality Index (AQI) value to 500.

13. Add a master switch for alarm sounds on the alarm interface.

14. Set the default time to January 1, 2024.

HP2550&HP2560 Firmware V1.9.3 2023-10-18

1.Resolve the problem of potential parameter loss when configuring settings.

2.The longitude is set to 0 degrees by default, . In newer versions, it is displayed as East longitude, whereas in older versions, it is displayed as West longitude.

HP2550&HP2560 Firmware V1.9.1 2023-8-11

1.Add support for Russian language.

2.Add an OK shortcut button when entering a Wi-Fi password on the keyboard.

3.Add automatic time zone detection feature, which is enabled by default. It will automatically retrieve the time zone and time when connected to the internet, and the time calibration will occur 5 seconds after successful time zone detection.

4.Add an option to switch between apparent temperature and perceived temperature in the "more" interface, and the corresponding display on the main interface should also switch accordingly.

5.Adjust the minimum upload interval for custom servers from 16 seconds to 8 seconds.

6.Add an AFC (Automatic Frequency Control) switch function in the setup interface, which is set to OFF by default. Customers can try turning on this feature when encountering unstable RF reception.

7.Support for WN34D temperature sensor with a specific temperature range.

8.Fix the issue where the humidity names are all in German in the ID setup interface.

9.Fix the issue where the indoor multi-channel temperature and humidity data from the WH45 sensor are not refreshing on the main interface.

10.Change the wind speed unit from "btf" to "bft".

11.Modify the Dutch language.

HP2550&HP2560 Firmware V1.9.0 2023-3-29

1. WiFi password changed to show "*" during the input stage.

2. Bug fix for multichannel PM2.5 display on the main UI

3. Restore multichannel sensor data quick brief display

4. Correct spelling mistake on About page.

5. When on board barometer sensor failed, WH32 indoor sensor will be adopted as indoor data source.

6. Spelling and grammar improvement for Dutch, French, Spanish and Portuguese language

7. Expand the calculated "feels like" temperature range. Originally is limited to the arrange of -40℃ to +60℃

HP2550&HP2560 Firmware V1.8.7 2022-11-16

The WH30 default channel name is changed in Czech

"G092H CHx" to "G092H KAx"

"T&H CHx" or "CHx" to "G092H KAx"

HP2550&HP2560 Firmware V1.8.6 2022-9-14

1. Optimized code about SD card storage

2. German translation modified：

10 MinWert -> 10 MinMittel

Sensoren ID -> Sensor IDs

Sensoren Namen&Daten -> Sensorübersicht

3. Czech translation modified：

Sunday -> Neděle

Monday -> Pondělí

Reset Daily Rain at -> Nulování denních srážek

"Name" -> "Název"

"Value" -> "Hodnota"

"Rainfall data priority" -> "Hlavní srážkoměr"

"Tradi. rain gauge" -> "Člunkový srážkoměr"

"Piezo. rain gauge" -> "Piezo srážkoměr"

"No rain gauge" -> "Bez srážkoměru"

"Dewpoint" -> "Rosný bod"

"Heat Index" -> "Teplotní index"

"Thunder" -> "Blesky"

"Reset Weekly Rain at" -> "Reset týdenních srážek"

4. Portuguese translation modified：

"Conden sação" -> "Condensação"

"Sensa ção" -> "Sensação"

HP2550&HP2560 Firmware V1.8.5 2022-8-8

During the internal testing, 1.8.2, 1.8.3, 1.8.4 was released, but finially we have all these 4 versions combined to be 1.8.5.

Update log:

1. With WiFi modem firmware version after Pro5.0.8, the WU account setting for ambientweather has disabled. New account setup has be implemented. This dosesn't affect ecowitt customer.

2. Fix some spelling mistake for Portuguese Language for pressure, dewpoint, wind directionetc.

3. Data validation check for WS90 sensor added. This is to prevent console picking up data wrong.

4. Dual RTC clock introduced. If 32k external XTAL is not working, then internal RC 32k timer clock will be switched over. This is to enhance system stability.

5. NIST time update plane changed from once per day to once per two hours.

6. Timing check for data set in added in preventing from generating two data set in its data record.

7. Update a flash data entity for PiezoRain

8. Rain reset for week, month, year follow daily rain reset time at user's choice.

9. If a RTC crystal failed, a message of "The external 32768 crystal is abnormal!!!" message will be dispalyed.

HP2550&HP2560 Firmware V1.8.1 2022-7-1

1. OTA feature supported for WiFi modem. The feature can be edited on "about" page. OTA will be triggered when entering this page, and this feature needs WiFi modem firmware verison to be v5.0.7 or later. Prior to this version, this feature is not supported.

2. Portugese language is supported.

3. Change Duetch text for SD card back up file:

Dewpoint -》   Taupunkt

HeatIndex -》   Hitzeindex

FeelsLike -》   Gefühlte Temperatur

Abs. Leckage -》   Abs. Luftdruck

Rel. Leckage -》   Rel. Luftdruck

4. UPdate French translation to be plural when more than one unit countered. like mins, heures, jours5.WS90 Rain calibration supported.

6. Outdoor sensor type description for WH65/69 added.

7. WN34 calibration feature added.

8. Default system start up time updated to 20220101.

9. Update feelslike calculation for correct temperature/humidity data source when ws90 sensor is at present.

10. Change "Radiation compeansation" to "Temperature Compensaiton" wording.
11. Fix a bug for weather forecast.

12. Special character supported on mini keyboard.

13. Other system stability improvements.