

# E-paper ink screen



WIFI



Battery Operated



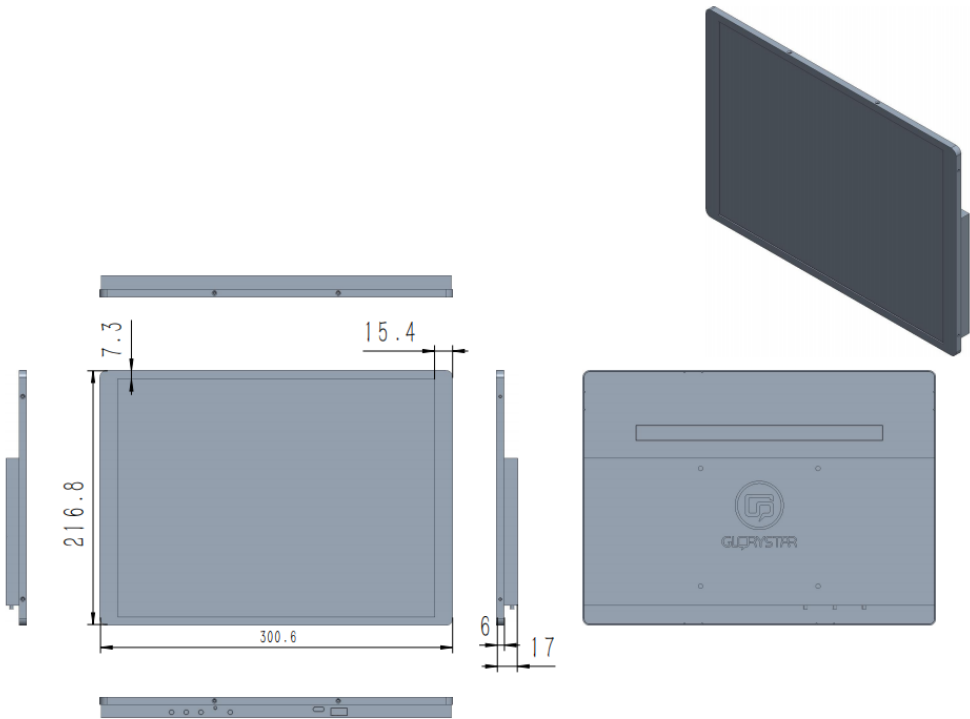
Support Cloud Server

## Overview

E-paper is a display technology that mimics the effect of traditional paper display, and it is able to keep the image stable without consuming electricity. It is very energy-efficient when displaying still screens. The E-paper offers almost unlimited viewing angles, so you can get a good visual effect from any direction. In addition, the design is relatively thin and light, which is easy to carry.

|                        |                                   | AST133                                         | AST253                                                       | AST315                                               |
|------------------------|-----------------------------------|------------------------------------------------|--------------------------------------------------------------|------------------------------------------------------|
| Display Size           | Size                              | 13.3"                                          | 25.3"                                                        | 31.5"                                                |
| Module parameters      | Display Type                      | Eink                                           | Eink                                                         | Eink                                                 |
|                        | Quality                           | Non-glare, Sunlight Readable                   | Non-glare, Sunlight Readable                                 | Non-glare, Sunlight Readable                         |
|                        | Color                             | Red, Yellow, Blue, White, Green, Black         | Red, Yellow, Blue, White, Green, Black                       | Red, Yellow, Blue, White, Green, Black               |
|                        | Resolution                        | 1600*1200                                      | 3200*1800                                                    | 2560*1440                                            |
|                        | Aspect Ratio                      | 4:3                                            | 16:9                                                         | 16:9                                                 |
|                        | DPI                               | 150                                            | 150                                                          | 93                                                   |
|                        | Display Viewing Area(H*V)<br>(mm) | 202.8*270.4mm                                  | 560*315mm                                                    | 696.32*391.68mm                                      |
|                        | ViewAngle (H/V)                   | 178°(H)/178°(V)                                |                                                              |                                                      |
| System                 | System                            | Embedded OS and Star Control enabled           | Android 7.1 and Star Control enabled                         | Embedded OS and Star Control enabled                 |
| I/O                    | USB2.0                            | 1                                              | 2                                                            | 1                                                    |
|                        | 4G                                | Optional                                       | Optional                                                     | Optional                                             |
|                        | WIFI                              | 2.4GHZ WIFI(802.11 b/g/ n)                     |                                                              |                                                      |
|                        | BT                                | N/A                                            | BT 4.0                                                       | N/A                                                  |
|                        | KEY                               | POWER , UP , DOWN , RESET                      | POWER , UP , DOWN , RESET                                    | POWER , UP , DOWN , RESET                            |
| Structure              | VESA Mount                        | 100*100mm, fixed M5 screws                     | 100*100mm, fixed M4 screws                                   | 200*200mm, fixed M5 screws                           |
|                        | Casing Material                   | Black Metal and Slim Bezels                    | Black Metal and Slim Bezels                                  | Black Metal and Slim Bezels                          |
| Power                  | Power Adapter                     | Type-C PD Adapter(Optional)                    | Type-C PD Adapter(Optional)                                  | Type-C PD Adapter(Optional)                          |
|                        | Battery                           | 3.85V/4000MAH 15.4WH                           | Removable lithium battery capacity:<br>50.4W/H 16.8V/3500MAH | Plugged-in Lithium Battery: 50.4W/H<br>16.8V/3500MAH |
|                        | Working Power(Updating)           | ≤3W                                            | ≤5.5W                                                        | ≤6W                                                  |
|                        | Standby Power(Non-updating)       | ≤0.01W                                         | ≤0.01W                                                       | ≤0.01W                                               |
|                        | Shutdown Power                    | ≤0.001W                                        | ≤0.001W                                                      | ≤0.001W                                              |
| Life Cycle             | Updating Times                    | 2700times                                      | /                                                            | 900times                                             |
|                        | Battery Life                      | 8 months ( 5 times per day)                    | /                                                            | 6 months (5 times per day)                           |
| Update                 | Update Time                       | ≤15s                                           | ≤15s                                                         | 15s                                                  |
|                        | Update Method                     | Star Control Remote MDM/ Update<br>through USB | Star Control Remote MDM/ Update<br>through USB               | Star Control Remote MDM/ Update<br>through USB       |
| Mounting               | Mounting                          | VESA 75 for wall or desktop mounting           | VESA100 for wall mounting                                    | VESA100 for wall or desktop mounting                 |
| Temperature & Humidity | Storage Temperature               | -25°C~60°C                                     |                                                              |                                                      |
|                        | Working Temperature               | 0°C~50°C                                       |                                                              |                                                      |
|                        | Humidity                          | 30%~90%                                        |                                                              |                                                      |
| Carbon Footprint       |                                   | Astro 13 (kg CO <sub>2</sub> e)                | Astro 25.3 (kg CO <sub>2</sub> e)                            | Astro 31.5 (kg CO <sub>2</sub> e)                    |
|                        | Material Extraction               | 32                                             | TBD                                                          | 160                                                  |
|                        | Manufacturing                     | 10                                             | TBD                                                          | 20                                                   |
|                        | Transportation                    | 2                                              | TBD                                                          | 8                                                    |
|                        | Use Phase                         | 0.8                                            | TBD                                                          | 4.1                                                  |
|                        | End-of-Life                       | 1                                              | TBD                                                          | 3                                                    |
|                        | <b>Total</b>                      | <b>45.8</b>                                    | <b>TBD</b>                                                   | <b>195.1</b>                                         |

13.3”



# CONTACT US

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