



# Model Name : ESY-D0701

6.9-inch Rockchip RK3566 Panel PC

## Revision History

| Date      | Revision | Page | Content     | By       |
|-----------|----------|------|-------------|----------|
| 2026/9/17 | 0.1      | All  | First Draft | Annie Wu |

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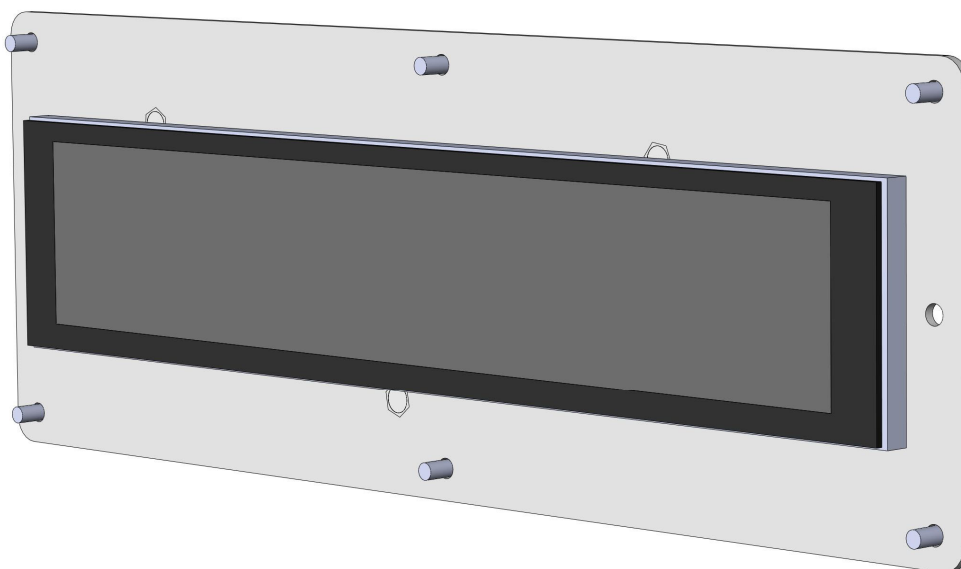
# ESY-D0701

6.9-inch Rockchip RK3566 Panel PC

## Features

- 6.9 inch Bar-Type TFT LCD
- 280 x 1424 Resolution
- RK3566 Quad-Core Processor 1.8GHz
- Android 11 Operating System
- 2GB RAM and 16GB Storage
- MIPI-DSI Interface for LCD Connection
- Interface for Touch Control

## Appearance



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## Specification

| Bar-Type TFT LCD Characteristics |                                                                          |
|----------------------------------|--------------------------------------------------------------------------|
| LCD Size                         | 6.9 inch                                                                 |
| Backlight                        | 8-LED Backlight                                                          |
| Resolution                       | 280 × 1424                                                               |
| Interface                        | MIPI                                                                     |
| Viewing Angle                    | 85° Typical (Up/Down/Left/Right)                                         |
| Brightness                       | 300 cd/m <sup>2</sup> Typical; 250 cd/m <sup>2</sup> Minimum             |
| Contrast Ratio                   | 400:1 Typical; 350:1 Minimum                                             |
| Aspect Ratio                     | 1:5.09                                                                   |
| Response Time                    | 35 ms Maximum                                                            |
| Display Colors                   | 16.7 million Colors                                                      |
| Pixel Pitch                      | 0.12 × 0.12 mm                                                           |
| LED Life time                    | 25,000 Hours                                                             |
| Power Consumption                | 0.6 W Typical                                                            |
| Touch Interface                  | I <sup>2</sup> C                                                         |
| Touch Type                       | Capacitive                                                               |
| System Board Characteristics     |                                                                          |
| SoC                              | Rockchip RK3566                                                          |
| Memory                           | 2GB RAM + 16GB Storage                                                   |
| Resolution                       | 280 × 1424 for Display Configuration                                     |
| I/O Port                         | USB 2.0 × 3, USB OTG × 1, TTL UART ×2, GPIO, ADC and 10/100Mbps Ethernet |
| Output LCD Interface             | 40-pin MIPI                                                              |
| OS                               | Android 11                                                               |



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## Environment Compliance

|                                                                                                       |                       |
|-------------------------------------------------------------------------------------------------------|-----------------------|
| Operating temperature                                                                                 | -0°C to +50°C         |
| Storage Temperature                                                                                   | -20°C to +60°C        |
| Relative Humidity                                                                                     | ≤ 90%, non-condensing |
| Environmental performance may vary according to the integration method or final integration scenario. |                       |

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## Deliverables

| No. | Item                              |
|-----|-----------------------------------|
| 1   | 6.9" Open Frame Bar Rockchip Kits |

## Ordering Information

| Model Name | Description                       | Unit |
|------------|-----------------------------------|------|
| ESY-D0701  | 6.9" Open Frame Bar Rockchip Kits | 1    |

### Disclaimer

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