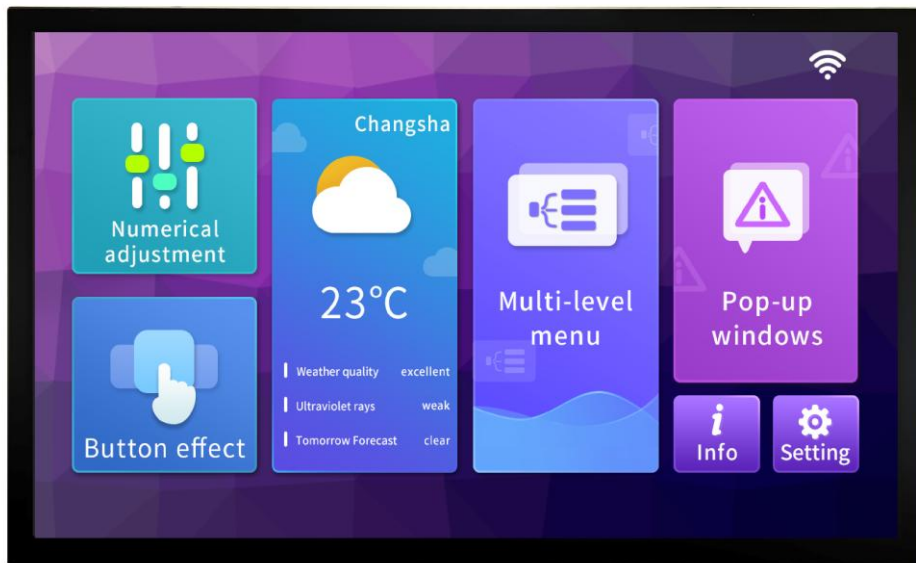


HDW101_001L

10.1-inch, 1024*600, 16.7M colors, IPS screen,
CTP, HDMI multimedia display



1 Display parameters

| Properties | Parameters | Description |
|-------------------|-----------------------------|--|
| Color | 16.7M(16777216)colors | 24 bit color 8R8G8B |
| LCD type | IPS | IPS process TFT LCM, wide viewing angle |
| Viewing angle | 85/85/85/85(L/R/U/D) | - |
| Visual area(V.A.) | 222.70mm (W) ×125.30 mm (H) | 1024x600 |
| Resolution | 1024x600 | Support 0°/90°/180°/270°rotated display |
| Backlight | LED | ≥20000H(Time of the brightness decaying to 50% on the condition of continuous working with the maximum brightness) |
| Brightness | 250nit | - |

Note: Long time display of high contrast still image over 30 minutes may lead to display residual shadow, please use screen saver to avoid this problem.

2 Voltage & current

| Item | Conditions | Min | Typical | Max | Unit |
|-------------------|------------|-----|---------|-----|------|
| Power voltage | - | 6 | 12 | 36 | V |
| Operating current | VCC=12V | - | 330 | - | mA |

Recommended power supply: 12V 1A DC

3 Reliability test

| Item | Conditions | Min | Typical | Max | Unit |
|-----------------------|----------------------|-----|---------|-----|------|
| Operating temperature | 60%RH at 12V voltage | -10 | 25 | 60 | °C |
| Storage temperature | - | -20 | 25 | 70 | °C |
| Operating humidity | 25°C | 10% | 60% | 90% | RH |

4 Interface parameters

| Properties | Conditions | Min | Typical | Max | Unit |
|-----------------|---------------------------------------|-----|---------|-----|------|
| Interface cable | 6-36V power interface, HDMI interface | | | | |
| USB interface | Yes | | | | |
| SD card slot | None | | | | |

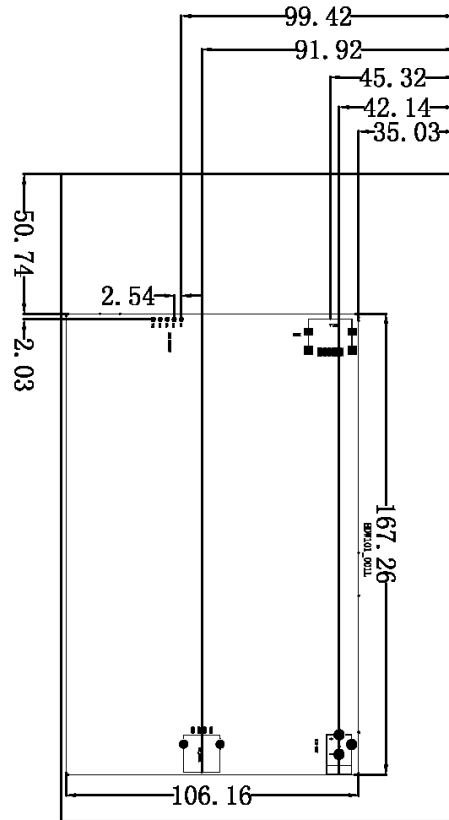
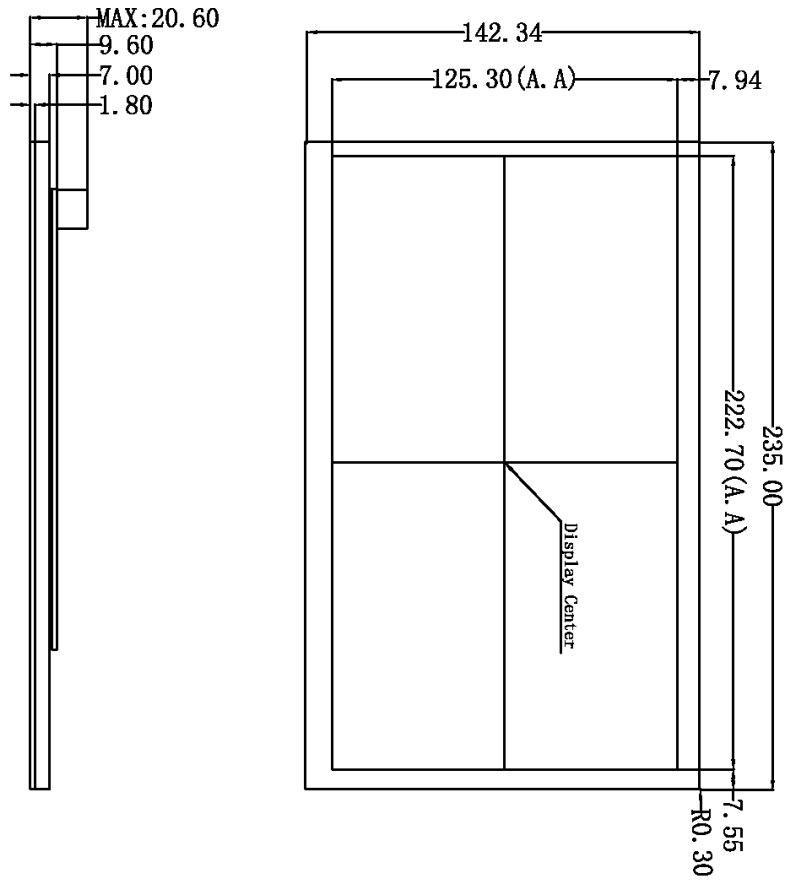
5 Peripheral

| Peripheral | |
|------------|------------------------|
| | Capacitive touch panel |

6 Packaging & dimensions

| Form factor | 235.0mm(W)×142.3mm(H)×20.6mm(T) | |
|----------------------------|---------------------------------|---------------|
| Net weight | 420g | |
| Packaging Standards | | |
| Model | Dimensions | Quantity(Pcs) |
| Carton3 | 320mm(L)×270mm(W)×80mm (H) | 2 |
| Carton4 | 450mm(L)×350mm(W)×300mm(H) | 10 |
| Carton5 | 600mm(L)×450mm(W)×300mm(H) | 16 |
| Carton6 | 450mm(L)×420mm(W)×300mm(H) | 12 |

Disclaimer: the data is for reference only and the information of product design that do not affect performance parameters and utilization is subject to alternation without prior notice.



| Pin name | Pin description | Pin name | Pin description |
|----------|------------------|----------|---|
| Pin1 | TMS Data2+ | Pin11 | TMS Clock Shield |
| Pin2 | TMS Data2 Shield | Pin12 | TMS Clock- |
| Pin3 | TMS Data2- | Pin13 | CC |
| Pin4 | TMS Data1+ | Pin14 | HPC Data- (Optional, HDMI 1.4 with Ethernet) |
| Pin5 | TMS Data1 Shield | Pin15 | SCL (I2C Serial Clock for DDC) |
| Pin6 | TMS Data1- | Pin16 | SDA (I2C Serial Data Line for DDC) |
| Pin7 | TMS Data0+ | Pin17 | DDC/GND/HPC Ground |
| Pin8 | TMS Data0 Shield | Pin18 | +5V Power (near 50mA) |
| Pin9 | TMS Data0- | Pin19 | Hot Plug Detect (All versions) and HPC Data+ (Optional, HDMI 1.4 with Ethernet) |
| Pin10 | TMS Clock+ | | |

Location hole is used as position reference.

Unmarked Tolerance is +/- 0.3mm

Active area is marked in Dash lines

| | | | |
|---------|-------|-------------------|------------|
| Model | | HDW101-001L | |
| Drawing | A 4 | Drawn | G. Y |
| Scale | 1 : 1 | Review | |
| Unit | MM | Approval | |
| | | Date | 2021.06.23 |
| | | DWIN Technologies | |

7 Revision records

| Version | Revise date | Content | Editor |
|---------|-------------|----------------------------------|--------|
| 00 | 2021-01-26 | First Edition | ZK |
| 01 | 2021-11-26 | Modify CAD and physical drawings | ZYJ |

Please contact us if you have any questions about the use of this document or our products, or if you would like to know the latest information about our products.

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Thank you all for continuous support of DWIN, and your approval is the driving force of our progress!