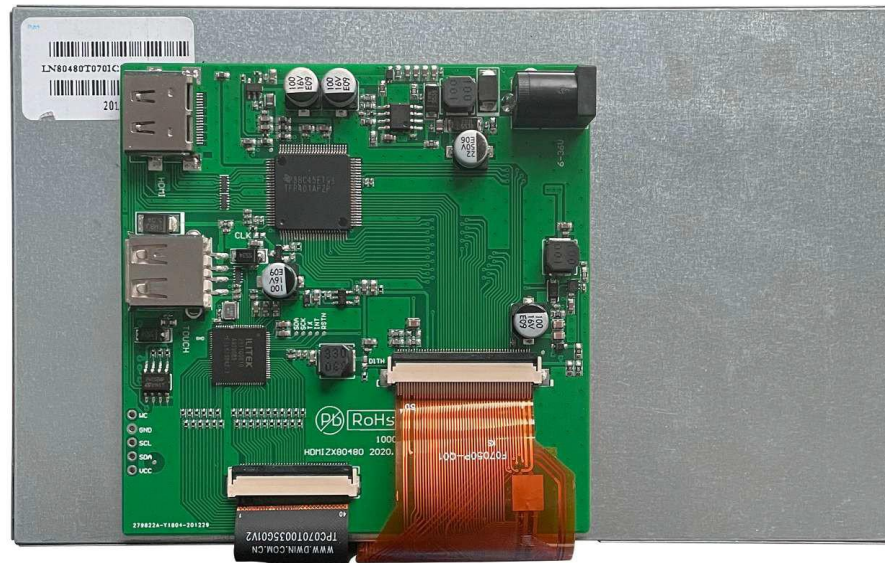


HDW070_008L

7 Inch, 800×RGB×480, 16.7M Colors, TN screen

CTP, HDMI interface display



Record of Revision

| Ver | Revise Date | Content | Editor |
|-----|-------------|---------------|--------|
| 00 | 2022-12-16 | First Edition | Kaya |

● Display

| Item | Parameter | Description |
|--------------------|-------------------------|---|
| Color | 16.7M(16777216)colors | 24 bit color 8R8G8B |
| Panel Type | TN | TN TFT LCM , normal viewing angle |
| Viewing Angle | 70/70/50/70(L/R/U/D) | - |
| Active Area (A.A.) | 154.08mm(W) ×85.92mm(H) | 800x480 |
| View Area (V.A.) | 154.08mm(W) ×85.92mm(H) | 800x480 |
| Resolution | 800x480 | Support 0°/90°/180°/270°rotated display |
| Backlight | LED | ≥30000H(Continuous working with maximum brightness, time of the brightness decays to 50%) |
| Brightness | 250nit | - |

Note:You can use dynamic screen saver wallpapers to avoid afterimages caused by fixed page display for a long time.

● Voltage & Current

| Item | Conditions | Min | Typ | Max | Unit |
|-----------------|------------|-----|-----|-----|------|
| Power Voltage | - | 6 | 12 | 36 | V |
| Working Current | - | - | - | - | - |

Recommended power supply: 12V 1A DC

● Reliability Test

| Item | Conditions | Min | Typ | Max | Unit |
|---------------------|----------------------|-----|-----|-----|------|
| Working Temperature | 60%RH at 12V voltage | -20 | 25 | 70 | ℃ |
| Storage Temperature | - | -30 | 25 | 80 | ℃ |
| Working Humidity | 25℃ | 10% | 60% | 90% | RH |

● Interface

| Item | Description |
|---------------|---|
| Socket | Power interface, HDMI interface |
| USB interface | Yes (Connect USB Capacitive touch screen) |
| SD Card Slot | None |

● Peripheral

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

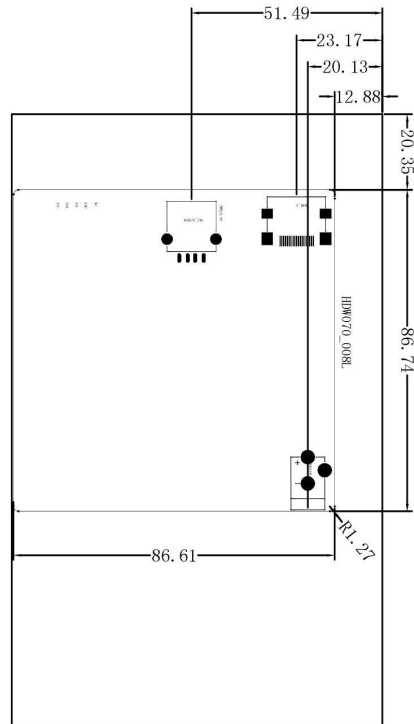
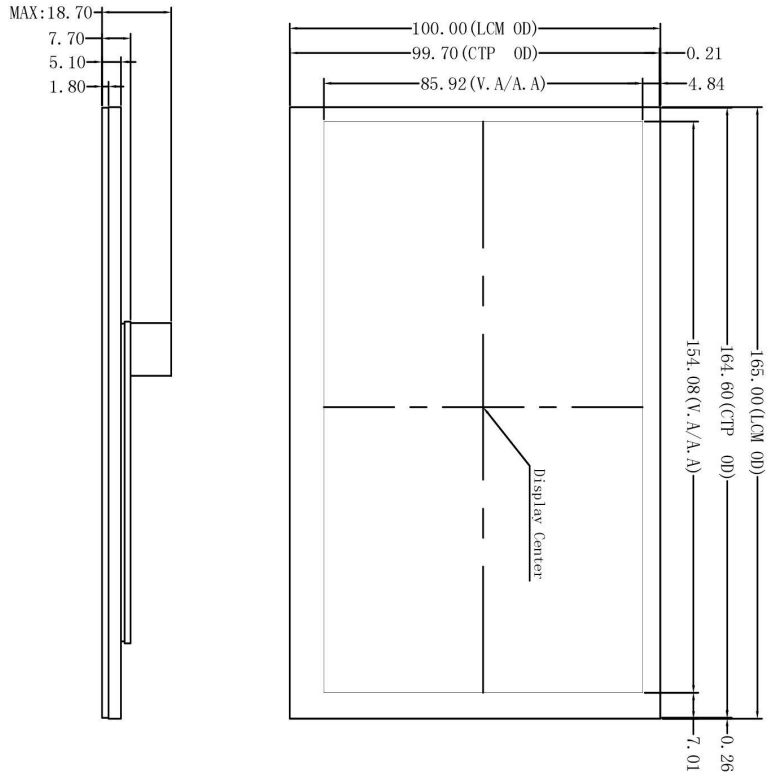
● **Packing Capacity & Dimension**

| Dimension | | | | |
|-------------------|-----------------------------|-------|----------------|---------------|
| Dimension | 165.0(W)×100.0(H)×18.7(T)mm | | | |
| Net Weight | - | | | |
| Packing Capacity | | | | |
| Model | Size | Layer | Quantity/Layer | Quantity(Pcs) |
| Carton1: | 220mm(L)×160mm(W)×47mm (H) | - | - | - |
| Carton2: | 250mm(L)×200mm(W)×80mm (H) | 2 | 1 | 2 |
| Carton3: | 320mm(L)×270mm(W)×80mm (H) | 2 | 2 | 4 |
| Carton4: | 450mm(L)×350mm(W)×300mm(H) | 1 | 20 | 20 |
| Carton5: | 600mm(L)×450mm(W)×300mm(H) | 1 | 34 | 34 |

Disclaimer:

- 1, The product design is subject to alternation and improvement without prior notice.
- 2, There are multiple parallel raw materials coexisting to guarantee the stable supply.If customers have particular raw material preferences or requirements, please contact the sales personnel.

DWIN Technologies Technical Document



| HDMI Name | Description | HDMI Name | HDMI Description |
|-----------|------------------|-----------|--|
| Pin1 | TMS Data2- | Pin11 | TMS Clock Shield |
| Pin2 | TMS Data2 Shield | Pin12 | TMS Clock- |
| Pin3 | TMS Data2- | Pin13 | GND |
| Pin4 | TMS Data2+ | Pin14 | HFC Data- (Optional, HDMI 1.4+with Ethernet) |
| Pin5 | TMS Data2 Shield | Pin15 | SCL (I2C Serial Clock for HDC) |
| Pin6 | TMS Data2- | Pin16 | SIM (I2C Serial Data Line for HDC) |
| Pin7 | TMS Data2+ | Pin17 | D0C/C0C/HFC Ground |
| Pin8 | TMS Data0 Shield | Pin18 | +5V Power (max 50mA) |
| Pin9 | TMS Data0- | Pin19 | HFC Plug Detect (All versions) and HFC Data (Optional, HDMI 4+with Ethernet) |
| Pin10 | TMS Clock+ | | |

1. Location hole is used as position reference.
 2. Unmarked Tolerance is +/-0.3mm
 Active area is marked in Dash lines

| Model | | HDW070-008L | |
|---------|-------|--------------------------|------------|
| Drawing | A 4 | Drawn | G. Y |
| Scale | 1 : 1 | Review | |
| Unit | MM | Approval | |
| | | Date | 2021.05.17 |
| | | DWIN Technologies | |

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!

Important Disclaimer

DWIN reserves the right to make any changes to product designs without prior notice.

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