

HDW043_001L

4.3 Inch, 480xRGBx800, 16.7M Colors, IPS screen, Capacitive touch



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● Display

| Item | Parameter | Description |
|--------------------|-------------------------|--|
| Color | 16.7M (16777216) colors | 24 bit color 8R8G8B |
| Panel Type | IPS | IPS process TFT LCM ,wide viewing angle |
| Viewing Angle | 85/85/85/85 (L/R/U/D) | Best View: symmetrical |
| Active Area (A.A.) | 93.6mm (W) x 56.2mm (H) | 480x800 |
| View Area (V.A.) | 94.0mm (W) x 56.6mm (H) | 480x800 |
| Resolution | 480x800 | - |
| Backlight | LED | >20000 hours (Time of the brightness decaying to 50% on the condition of continuous working with the maximum brightness) |
| Brightness | 250nit | - |

Note: Displaying of high-contrast still images for more than 30 minutes may result in residual images. Please add screen saver to avoid this problem.

● Voltage & Current

| Item | Conditions | Min | Typ | Max | Unit |
|-------------------|--------------------------|-----|-----|-----|------|
| Power Voltage | - | 3.6 | 5.0 | 6.0 | V |
| Operation Current | VCC = +5V, Backlight on | - | - | - | mA |
| | VCC = +5V, Backlight off | - | - | - | mA |

Recommended power supply: 5V 1A DC

● Reliability Test

| Item | Conditions | Min | Typ | Max | Unit |
|---------------------|---------------------|-----|------|-----|------|
| Working Temperature | 60%RH at 5V voltage | -10 | 25 | 60 | °C |
| Storage Temperature | - | -20 | 25 | 70 | °C |
| Working Humidity | 25°C | 10% | 60% | 90% | RH |
| Protective Paint | - | - | None | - | - |

● Interface

| Item | Description |
|---------------|----------------|
| Socket | HDMI interface |
| USB Interface | Yes |
| SD Card Slot | None |

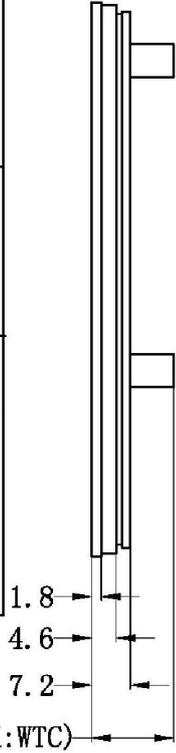
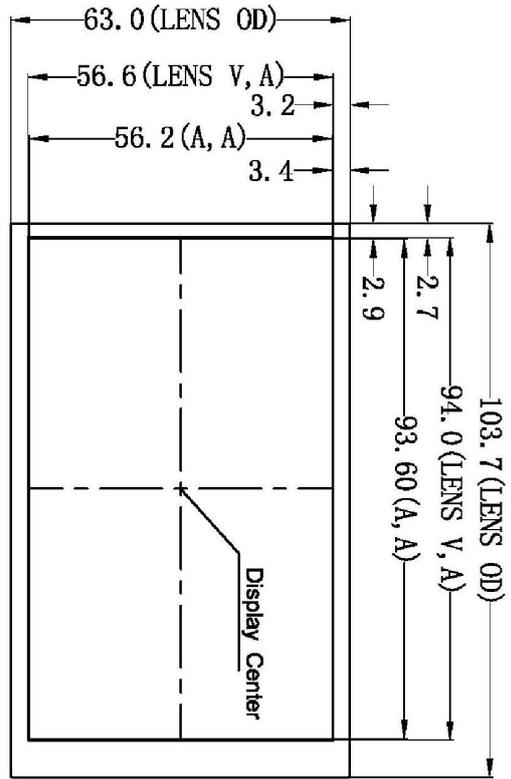
● Peripheral

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

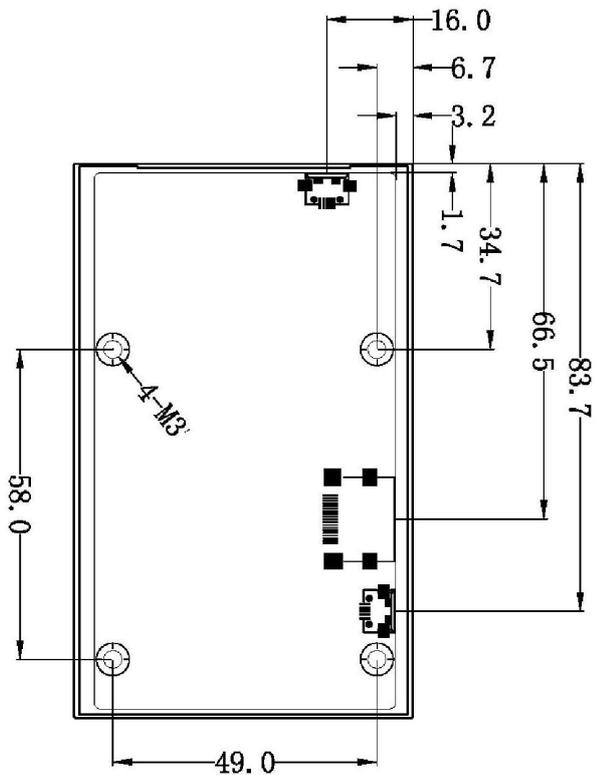
● Packing Capacity & Dimension

| Dimension | | | | |
|------------------|------------------------------|-------|----------------|---------------|
| Dimension | 103.7(W)* 63.0(H)*15.20(T)mm | | | |
| Net Weight | 90g | | | |
| Packing Capacity | | | | |
| Model | Size | Layer | Quantity/Layer | Quantity(Pcs) |
| Carton1: | 220mm(L)*160mm(W)*47mm (H) | 1 | 2 | 2 |
| Carton2: | 250mm(L)*200mm(W)*80mm (H) | 2 | 2 | 4 |
| Carton3: | 320mm(L)*270mm(W)*80mm (H) | 2 | 4 | 8 |
| Carton4: | 450mm(L)*350mm(W)*300mm(H) | 2 | 30 | 60 |
| Carton5: | 600mm(L)*450mm(W)*300mm(H) | 2 | 60 | 120 |

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| 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 | DEC |
| Pin4 | TMS Data1+ | Pin14 | HEC Data-Optional/JMI (Switch Ethernet) |
| Pin5 | TMS Data1 Shield | Pin15 | S12CEC Serial Clock for JMC |
| Pin6 | TMS Data1- | Pin16 | SOMCEC Serial Data Line for JMC |
| Pin7 | TMS Data0+ | Pin17 | JMC/CEC/AC Ground |
| Pin8 | TMS Data0 Shield | Pin18 | +5V Power/Vaux 50mA |
| Pin9 | TMS Data0- | Pin19 | Hot Plug Detection version3/Serial HEC Data1+ (Optional/JMI/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 | HDW043-001L | | | | |
| Drawing | A 4 | Drawn | J.G | Date | 20211014 |
| Scale | 1:1 | Review | | Date | |
| Unit | MM | Approval | | Date | |
| DWIN Technology | | | | | |

Record records

| Rev | Revise Date | Content | Editor |
|------------|--------------------|--------------------------|---------------|
| 00 | 2022-12-15 | First Edition | Kaya |
| 01 | 2024-05-13 | Update Temperature Range | YML |

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