

# P48272V50I\_T38

5.0 Inches, 480xRGBx272, 65K Colors, UNICView LCM



● Display

| Item                            | Parameter                               | Description                   |
|---------------------------------|---|-------------------------------|
| Color                           | 65K (65536) colors                      | 16 bit color 5R6G5B           |
| Visual Angle L/R/U/D            | 70° /70° /50° /70°                      |                               |
| Resolution                      | 480*272                                 | 90° rotated display (272*480) |
| Backlight /Lifecycle/Brightness | LED/20,000 HOURS/ 800 cd/m <sup>2</sup> |                               |
| Working Temperature             | -20~+70°C/-30~+80°C                     | 64 levels adjustment          |
| Static ESD                      | ±12KV                                   |                               |

● Voltage & Current

| Item              | Conditions               | Min | Typ | Max | Unit |
|-------------------|--------------------------|-----|-----|-----|------|
| Power Voltage     | -                        | 6   | 12  | 40  | V    |
| Operation Current | VIN = 12V, Backlight on  | -   | 190 | -   | mA   |
|                   | VIN = 24V, Backlight on  | -   | 100 | -   | mA   |
|                   | VIN = 12V, Backlight off | -   | 60  | -   | mA   |

● Interface

| Item        | Conditions   | Min  | Typ | Max    | Unit |
|-------------|--|------|-----|--------|------|
| Baudrate    | Standard   | 1200 | -   | 115200 | bps  |
| Interface   | RS232C   |      |     |        |      |
| Data Format | 1 byte for initial, 8 bytes for data, invalid bytes for checksum, 1 byte for end |      |     |        |      |
| Socket      | SMD2.0-8P with lock catch  |      |     |        |      |

● Peripherals

| No. | Parameter    | Description   |
|-----|--------------|---|
| 1   | Touch Screen | 4-wire resistance touch screen: P48272V50I_T38  |
|     |              | 4-wire capacitive touch screen: P48272V50I_P38  |
|     |              | No touch screen: P48272V50I_N38   |
| 2   | Buzzer       | YES   |
| 3   | RTC          | YES   |
| 4   | USB          | YES. For downloading offline or user data copy.   |
| 5   | USB Mini     | YES. For online debugging.  |
| 6   | Audio        | Support *.MP3 files. Theoretically 4096 file in maximum. Speaker power: 4 Ω 2W or 8 Ω 2W. |
| 7   | Keyboard     | Support external row keyboard.  |
| 8   | Memory       | 128M(support *.jpg files, maximum 65536 files theoretically)                              |



