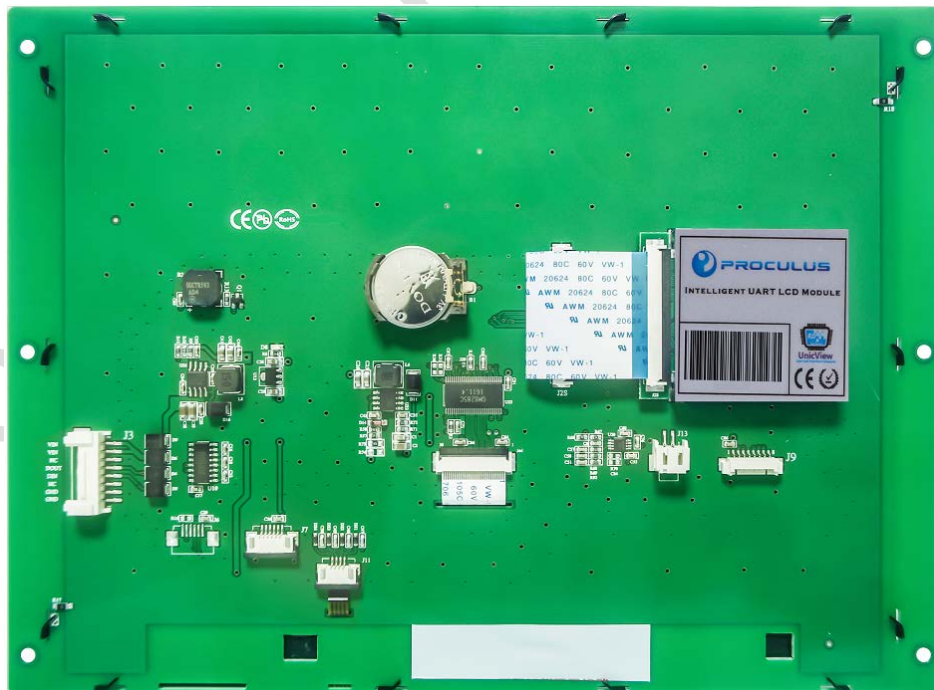


# P10768V97I\_T30

9.7 Inches, 1024xRGBx768, 65K Colors, UNICView LCM



● Display

| Item                                     | Parameter                               | Description                    |
|--|---|--------------------------------|
| Color                                    | 65K (65536) colors                      | 16 bit color 5R6G5B            |
| Visual Angle L/R/U/D                     | 70° /60° /70° /70°                      |                                |
| Resolution                               | 1024*768                                | 90° rotated display (768*1024) |
| Backlight /Lifecycle/Brightness          | LED/20,000 HOURS/ 300 cd/m <sup>2</sup> |                                |
| Working Temperature/ Storage Temperature | -20~+70°C/-30~+80°C                     |                                |
| Static ESD                               | ±15KV                                   |                                |

● Voltage & Current

| Item              | Conditions               | Min | Typ | Max | Unit |
|-------------------|--------------------------|-----|-----|-----|------|
| Power Voltage     | -                        | 6   | 12  | 40  | V    |
| Operation Current | VIN = 12V, Backlight on  | -   | 270 | -   | mA   |
|                   | VIN = 24V, Backlight on  | -   | 140 | -   | mA   |
|                   | VIN = 12V, Backlight off | -   | 110 | -   | mA   |

● Interface

| Item        | Conditions   | Min  | Typ    | Max    | Unit |
|-------------|--|------|--------|--------|------|
| Baudrate    | Standard   | 1200 | 115200 | 892900 | bps  |
| Interface   | RS-232C  |      |        |        |      |
| 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: P10768V97I_T30  |  |
|     |              | 4-wire capacitive touch screen: P10768V97I_P30  |  |
|     |              | No touch screen: P10768V97I_N30   |  |
| 2   | Buzzer       | YES   |  |
| 3   | RTC          | YES   |  |
| 4   | USB          | YES. For downloading offline or user data copy.   | External board needed for online debugging |
| 5   | USB Mini     | YES. For online debugging.  |  |
| 6   | Audio        | Support *.MP3 files. Theoretically 4096 file at maximum. Speaker power: 4 Ω 2W or 8 Ω 2W. |  |
| 7   | Keyboard     | Support external row keyboard (8*8 maximum).  |  |
| 8   | Memory       | 128M(support *.jpg files, maximum 65536 files theoretically), extended to 1G at maximum.  |  |

