



With a Wider Screen  
**TOPRW Series**

EMBEDDED HMI

SMART X HMI



**INTERFACE**

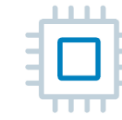
SERIAL 2 PORTS | ETHERNET 1 CHANNEL | **USB HOST** | USB OTG | SD CARD

\* USB HOST functions is supported only in 10" and 7"

**CERTIFICATION**



**FEATURES**



**QUAD CORE CPU**

Quad core processor supplying rapid processing speed



**16M FULL COLOR**

Bright and vivid full color, supports vector image library



**TOUCH DRAG FEATURE**

Available touch drag to make a picture memo or scroll down to appear top-side menu



**REFINED INTEGRATED BODY**

Refined integrated body with advantage of easy



**800x480 HIGH RESOLUTION**

With 10", 7", 5" wide screen ratio, expansion of work-area available



**COMPATIBILITY WITH XTOP SERIES**

With same panel cut size of XTOP, easy to replace discontinued XTOP model



**FRONT-SIDE OTG USB**

Supporting both HOST mode(USB devices i.e.Memory, barcode reader, etc) and program transmission mode

# TOPRW SPECIFICATIONS

| Functional      | TOPRW1000WD                  | TOPRW0700WD  | TOPRW0700WD NE   | TOPRW0500WD  |
|-----------------|------------------------------|--|--|--|
| Display         | Display Type                 | 10.2" TFT Color  | 7" TFT Color   | 5" TFT Color   |
|                 | Color                        |  | 16M Colors   |  |
|                 | Display Area(mm)             | 222x132.48   | 154x86   | 108x64.8   |
|                 | Resolution(dot)              |  | 800x480  |  |
|                 | Brightness Level             |  | 10 Levels(by software)   |  |
| Touch           | Backlight Type               |  | LED  |  |
|                 | Backlight Life               |  | 50,000 hours   |  |
|                 | Touch Type                   |  | Analog resistive film  |  |
|                 | Resolution(Cell)             |  | 800x480  |  |
|                 | Touch Life                   |  | 1 million times or more  |  |
| Serial COM1     |                              | RS-232C Asynchronous +5Vdc PWR<br>Data bit: 7/8 bits, Stop bit: 1/2 bits, Parity bit: None/Odd/Even<br>Baud rate: 2400~115.2kbps<br>Connector: DSUB 9pin x 1   |  |  |
|                 | Serial COM2                  | RS-232C, RS-422/485 Asynchronous<br>Data bit: 7/8 bits, Stop bit: 1/2 bits, Parity bit: None/Odd/Even<br>Baud rate: 2400~115.2kbps<br>Connector: DSUB 9pin x 1 |  |  |
| Interface       | Ethernet                     | IEEE802.3/IEEE802.3u, 10BASE-T/100BASE-TX<br>Connector: RJ-45 x 1  | Not available  | IEEE802.3/IEEE802.3u,<br>10BASE-T/100BASE-TX<br>Connector: RJ-45 x 1 |
|                 | USB Host                     | USB 2.0 Compatible, Output 5Vdc/0.5A<br>Support: USB Storage, USB Barcode Scanner(Standard Keyboard Protocol)<br>Connector: USB Type A x 1                     |  | Not available  |
| USB OTG         |                              | USB 2.0 Compatible, Output 5Vdc/0.5A, Max 3m<br>Support: USB Storage, USB Barcode Scanner(Standard Keyboard Protocol)<br>Connector: USB Mini-B(Front) x 1      |  | Connector:<br>USB Mini-B(Rear) x 1                                   |
| Memory & Others | SD Card                      |  | SD Card Slot x 1, SDHC(MAX 32GB)                               |  |
|                 | Printer                      |  | Roll Printer(EPSON protocol)                                   |  |
|                 | Screen Memory                |  | 128MB  |  |
|                 | Backup Memory                |  | 512KB: System buffer(10K Word), Including Alarm/Logging/Recipe |  |
|                 | Backup Period                |  | Permanent  |  |
| Power           | Real Time Clock              |  | Built in   |  |
|                 | Status LED                   |  | 3 LEDs(Power, Operation, Link) Built in                        |  |
|                 | Input Voltage                |  | 24Vdc(20~28Vdc)  |  |
|                 | Power Consumption            | 15W  |  | 12W  |
|                 | Voltage Sag                  |  | 24Vdc, Within 10ms   |  |
| Environment     | Insulation Resistance        |  | 500Vdc, 10MΩ   |  |
|                 | Operation Temperature(°C)    |  | -10 ~ +50  |  |
|                 | Storage Temperature(°C)      |  | -20 ~ +60  |  |
|                 | Operation Humidity(%RH)      |  | 0 ~ 90(No dew)   |  |
|                 | Atmosphere                   |  | No corrosive gas   |  |
|                 | Vibration Endurance          |  | Amplitude: 10sF<25Hz(2G) X,Y,Z each direction(for 30 minutes)  |  |
|                 | Noise Immunity               |  | 1000Vp-p(Pulse width 1μs)                                      |  |
|                 | Static Electricity Discharge |  | Connective discharge from EN61000-4-2: ±4kV                    |  |
|                 | Shock Endurance              |  | 10G X,Y,Z each direction(for 3 times)                          |  |
|                 | Ground Connection            |  | Class 3(100Ω under)  |  |
| Structure       | Protection Classification    |  | IP65(Front)  |  |
|                 | Certification                |  | CE, KC, UL   |  |
|                 | Panel Cut(mm)                | 260x202  | 197x127  | 136x100  |
|                 | External Dimension(mm)       | 274x216x64.7   | 212x145x45.6   | 150x114x41.8   |
|                 | Weight(kg)                   | 1.7  | 0.72   | 0.4  |
| Cooling System  |                              | Natural air circulation  |  |  |
| Case Material   |                              | PC(Resistance to flame)  |  |  |

# DRAWING

\* TOPRW0700WD NE model does not support Ethernet

