

### Model Description

#### AI - Series Product

| Size (inch) | Model        | Colour | Resolution      | Voltage(V) | Peripherals         | Network           | Interface             | Brightness           | Temp(°C)    | Viewing Area (mm) | Power (W) |
|-------------|--------------|--------|-----------------|------------|---------------------|-------------------|-----------------------|----------------------|-------------|-------------------|-----------|
| 3.5"        | STWI035WT-01 | 18 bit | 320*240 (4:3)   | DC 5.0-28  | Touch-Screen/KB/RTC | Ethernet/Wi-Fi/BT | RS232/RS422/RS485/TTL | 300cd/m <sup>2</sup> | -30°C/+80°C | 70.1*52.6         | 0.8       |
| 4.3"        | STWI043WT-01 | 18 bit | 480*272 (16:9)  | DC 5.0-28  | Touch-Screen/KB/RTC | Ethernet/Wi-Fi/BT | RS232/RS422/RS485/TTL | 500cd/m <sup>2</sup> | -30°C/+80°C | 95.0*53.9         | 1.0       |
| 5"          | STWI050WT-01 | 18 bit | 800*480(16:9)   | DC 5.0-28  | Touch-Screen/KB/RTC | Ethernet/Wi-Fi/BT | RS232/RS422/RS485/TTL | 350cd/m <sup>2</sup> | -30°C/+80°C | 108.0*64.8        | 1.3       |
| 5.6"        | STWI056WT-01 | 18 bit | 640*480 (4:3)   | DC 5.0-28  | Touch-Screen/KB/RTC | Ethernet/Wi-Fi/BT | RS232/RS422/RS485/TTL | 300cd/m <sup>2</sup> | -30°C/+80°C | 112.9*84.7        | 2.2       |
| 7"          | STWI070WT-01 | 18 bit | 800*480 (16:9)  | DC 5.0-28  | Touch-Screen/KB/RTC | Ethernet/Wi-Fi/BT | RS232/RS422/RS485/TTL | 300cd/m <sup>2</sup> | -30°C/+80°C | 154.1*85.9        | 2.6       |
| 8"          | STWI080WT-01 | 18 bit | 800*600 (4:3)   | DC 5.0-28  | Touch-Screen/KB/RTC | Ethernet/Wi-Fi/BT | RS232/RS422/RS485/TTL | 300cd/m <sup>2</sup> | -30°C/+80°C | 162.0*121.5       | 2.8       |
| 10.1"       | STWI101WT-01 | 18 bit | 1024*600 (16:9) | DC 5.0-28  | Touch-Screen/KB/RTC | Ethernet/Wi-Fi/BT | RS232/RS422/RS485/TTL | 400cd/m <sup>2</sup> | -30°C/+80°C | 222.7*125.3       | 3.0       |
| 10.4"       | STWI104WT-01 | 18 bit | 1024*768 (4:3)  | DC 5.0-28  | Touch-Screen/KB/RTC | Ethernet/Wi-Fi/BT | RS232/RS422/RS485/TTL | 350cd/m <sup>2</sup> | -30°C/+80°C | 210.4*157.8       | 3.0       |

|       |              |        |                 |           |                     |                   |                       |                       |             |             |     |
|-------|--------------|--------|-----------------|-----------|---------------------|-------------------|-----------------------|-----------------------|-------------|-------------|-----|
| 3.5"  | STWA035WT-01 | 18 bit | 320*240 (4:3)   | DC 5.0-28 | Touch-Screen/KB/RTC | Ethernet/Wi-Fi/BT | RS232/RS422/RS485/TTL | 1000cd/m <sup>2</sup> | -30°C/+80°C | 70.1*52.6   | 0.8 |
| 4.3"  | STWA043WT-01 | 18 bit | 480*272 (16:9)  | DC 5.0-28 | Touch-Screen/KB/RTC | Ethernet/Wi-Fi/BT | RS232/RS422/RS485/TTL | 1000cd/m <sup>2</sup> | -30°C/+80°C | 95.0*53.9   | 1.0 |
| 5"    | STWA050WT-01 | 18 bit | 800*480 (16:9)  | DC 5.0-28 | Touch-Screen/KB/RTC | Ethernet/Wi-Fi/BT | RS232/RS422/RS485/TTL | 1000cd/m <sup>2</sup> | -30°C/+80°C | 108.0*64.8  | 2.4 |
| 5.7"  | STWA057WT-01 | 18 bit | 640*480 (4:3)   | DC 5.0-28 | Touch-Screen/KB/RTC | Ethernet/Wi-Fi/BT | RS232/RS422/RS485/TTL | 450cd/m <sup>2</sup>  | -30°C/+80°C | 115.1*86.9  | 2.6 |
| 7"    | STWA070WT-01 | 18 bit | 800*480 (16:9)  | DC 5.0-28 | Touch-Screen/KB/RTC | Ethernet/Wi-Fi/BT | RS232/RS422/RS485/TTL | 1000cd/m <sup>2</sup> | -30°C/+80°C | 154.1*85.9  | 2.6 |
| 8"    | STWA080WT-01 | 18 bit | 800*600 (4:3)   | DC 5.0-28 | Touch-Screen/KB/RTC | Ethernet/Wi-Fi/BT | RS232/RS422/RS485/TTL | 1000cd/m <sup>2</sup> | -30°C/+80°C | 162.0*121.5 | 2.8 |
| 10.1" | STWA101WT-01 | 18 bit | 1024*600 (16:9) | DC 5.0-28 | Touch-Screen/KB/RTC | Ethernet/Wi-Fi/BT | RS232/RS422/RS485/TTL | 1000cd/m <sup>2</sup> | -30°C/+80°C | 222.7*125.3 | 3.0 |
| 12.1" | STWA121WT-01 | 18 bit | 800*600 (4:3)   | DC 5.0-28 | Touch-Screen/KB/RTC | Ethernet/Wi-Fi/BT | RS232/RS422/RS485/TTL | 450cd/m <sup>2</sup>  | -30°C/+80°C | 246*184.5   | 6.0 |
| 15.1" | STWA151WT-01 | 18 bit | 1024*768 (4:3)  | DC 5.0-28 | Touch-Screen/KB/RTC | Ethernet/Wi-Fi/BT | RS232/RS422/RS485/TTL | 300cd/m <sup>2</sup>  | -30°C/+80°C | 304.1*228.1 | 6.0 |

#### C - Series Product

| Size  | Model        | Colour | Resolution      | Voltage(V) | Peripherals  | Network | Interface | Brightness           | Temp(°C)    | Viewing Area | Power |
|-------|--------------|--------|-----------------|------------|--------------|---------|-----------|----------------------|-------------|--------------|-------|
| 3.5"  | STWC035WT-01 | 18 bit | 320*480 (16:9)  | DC 4.5-6.0 | Touch-Screen | None    | RS232/TTL | 300cd/m <sup>2</sup> | -20°C/+70°C | 49.0*73.4    | 0.8   |
| 4.3"  | STWC043WT-01 | 18 bit | 480*272 (16:9)  | DC 4.5-6.0 | Touch-Screen | None    | RS232/TTL | 300cd/m <sup>2</sup> | -20°C/+70°C | 95.0*53.9    | 1.0   |
| 5"    | STWC050WT-01 | 18 bit | 800*480 (16:9)  | DC 4.5-6.0 | Touch-Screen | None    | RS232/TTL | 300cd/m <sup>2</sup> | -20°C/+70°C | 110.9*62.8   | 1.3   |
| 7"    | STWC070WT-01 | 18 bit | 800*480 (16:9)  | DC 4.5-6.0 | Touch-Screen | None    | RS232/TTL | 300cd/m <sup>2</sup> | -20°C/+70°C | 154.1*85.9   | 2.6   |
| 8"    | STWC080WT-01 | 18 bit | 800*600 (4:3)   | DC 4.5-6.0 | Touch-Screen | None    | RS232/TTL | 300cd/m <sup>2</sup> | -20°C/+70°C | 162.0*121.5  | 3.0   |
| 10.1" | STWC101WT-01 | 18 bit | 1024*600 (16:9) | DC 4.5-6.0 | Touch-Screen | None    | RS232/TTL | 400cd/m <sup>2</sup> | -20°C/+70°C | 222.7*125.3  | 3.0   |

|                   |   |
|-------------------|---|
| IP65 Plastic Box: | PS-043 / PS-056 / PS-070 / PS-080 / PS-104                            |
| Metal Bezel:      | MS-035 / MS-043 / MS-050 / MS-056 / MS-070 / MS-080 / MS-101 / MS-104 |

# Note:

## 1. Supply the customization service.

- a. Customize any size TFT-LCD Module .
- b. Develop the customization function.
- c. Update the standard memory to 1GB or 2GB.
- d. Assign the interface to RS232, RS422, RS485 or TTL.

## 2. Naming Rule (Taking STWI070WT-01N as example)

|     |   |
|-----|---|
| ST  | Company Code  |
| W   | The third version product   |
| I   | I=Industrial Type    A=Advanced Type    C=Civil Type                                      |
| 070 | TFT Panel Dimension: 7 inch   |
| W   | W=Wide Voltage (+7V to +28V)    L=Low Voltage (+5V)                                       |
| T   | T=With Resistive Touch Screen    N=Without Touch Screen    C=With Capacitive Touch Screen |
| 0   | 0=RS232    4=RS422 / RS485    1=TTL Level   |
| 1   | Hardware Code   |
| N   | N=Ethernet    W=Wi-Fi/Bluetooth   |

## 3. Main Differences for I-series & A-series

|                        | Industry Series   | Advanced Series  | Civil Series  |
|------------------------|---|--|---|
| CPU                    | Cortex A8 1Ghz  | Cortex A8 1Ghz   | Cortex A8 1Ghz  |
| All of Components      | Import product<br>(the best components in the world)  | Import product<br>(the best components in the world)                       | Chinese product<br>(from shenzhen of China)   |
| TFT Panel Class        | Innolux original industrial TFT Panel<br>(3% TFT with no more than 3 dead pixels in the nconspicuous area.) | A+ class Innolux industrial IPS TFT Panel<br>(All TFT with no dead pixels) | A class domestic industrial TFT Panel<br>(5% TFT with no more than 3 dead pixels in the nconspicuous area.) |
| TFT Backlight Life     | 30000 hours   | 30000 or 50000 hours   | 20000 hours   |
| Brightness             | Normal Industrial Standard  | High-Brightness (Visible in Sunlight)                                      | Normal Civil Standard   |
| Flash Memory           | 256MB Industrial Memory   | 256MB Industrial Memory  | 128MB   |
| Voltage                | DC 5.0-28 V   | DC 5.0-28 V  | DC 4.5-6.0V   |
| Operation Temperature  | -30°C to +80°C  | -30°C to +80°C   | -20°C to +70°C  |
| Duration of Aging Test | 24 hours  | 48 hours   | 24 hours  |
| Warranty Period        | 3 year (Replace by new one)   | 3 years (Replace by new one)   | 1 year (Replace by new one)   |
| Price                  | High Cost Performance   | 30%-50% more than BasicType  | Cheap   |
| Application            | Satisfy the international standard of   | Meet the visible requirement in the sun                                    | Civil field   |