

## **SALIENT FEATURES**

- 4.3", 7" and 10.1" Color TFT display options with optically bonded PCAP
- High Brightness
- Easy to integrate and expand
- Real-time insights
- Effortless control & Data Management
- Automatic Scaling and Screen Rotation
- Advanced Graphics
- Diverse Applications

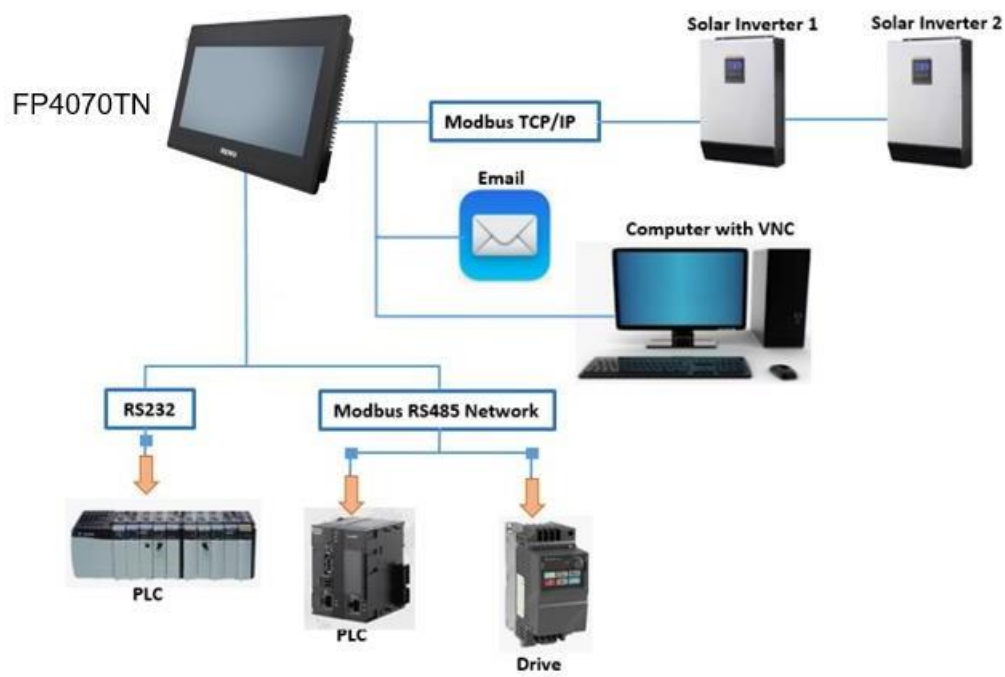


## **MODEL SPECIFICATION**

| Part Number                 | FP4043CN                                                | FP4070CN                  | FP4101CN                  |
|-----------------------------|---------------------------------------------------------|---------------------------|---------------------------|
| Size                        | 4.3" WSVGA Color TFT                                    | 7" WSVGA Color TFT        | 10.1" WSVGA Color TFT     |
| Resolution                  | 480 x 272 pixels                                        | 1024 x 600 pixels         | 1024 x 600 pixels         |
| Touch                       | PCAP                                                    |                           |                           |
| Brightness                  | 1000 Nits                                               |                           |                           |
| CPU and Power               |                                                         |                           |                           |
| CPU                         | 32-bit RISC processor                                   |                           |                           |
| eMMC                        | 4GB                                                     |                           |                           |
| RAM                         | 512MB                                                   |                           |                           |
| Power Supply                | 24VDC (±20%)                                            |                           |                           |
| Isolation                   | Yes                                                     |                           |                           |
| RTC                         | Built-in                                                |                           |                           |
| Communication               |                                                         |                           |                           |
| Serial                      | 1 x RS232, RS485 <sup>#</sup>                           | 2 x RS232, RS485          |                           |
| USB Device                  | 1x USB Type C                                           |                           |                           |
| USB Host                    | 1x 2.0                                                  |                           |                           |
| Ethernet                    | 1x10/100Mbps                                            |                           |                           |
| SD Card Slot                | 1xmicro SDHC                                            |                           |                           |
| Environmental and Approvals |                                                         |                           |                           |
| Operating Temperature*      | -10 to 60°C                                             |                           |                           |
| Storage Temperature         | -30 to 85°C                                             |                           |                           |
| Humidity                    | 10 to 90% (Non-Condensing)                              |                           |                           |
| Shock Immunity              | 25g, 11ms, 6 shocks per axis, total 18 shocks (X, Y, Z) |                           |                           |
| Vibration Immunity          | 5~150Hz, 3g peak, (X, Y, Z)                             |                           |                           |
| Protection                  | IP66 for front panel ,IP20 for rear panel mounting      |                           |                           |
| Dimensions                  | 89(H) x 120(W) x 31.5(D)mm                              | 138(H) x 186(W) x 31(D)mm | 190(H) x 268(W) x 33(D)mm |
| Weight (Approx.)            | Approx. 200gm                                           | Approx. 400gm             | Approx. 900gm             |
| Approvals                   | CE, UL (Class1 Div2) ,UKCA, REACH & RoHS                |                           |                           |

\*Note: For UL, operating temperature range is 0° to 50°C

**APPLICATION EXAMPLE**



**SUPPORTING OBJECTS**

| Drawing Tools            |
|--------------------------|
| Line, Rectangle, Ellipse |
| Rounded Rectangle        |
| Multilingual text        |
| Picture                  |
| Selector                 |
| Scale                    |

| Data Entry / Data Display |
|---------------------------|
| Numeric data              |
| Bit data                  |
| Message Data              |

| Advanced Objects    |
|---------------------|
| Buttons             |
| Advanced Bit Button |
| Word Button         |
| Bit Lamp            |
| Word Lamp           |
| Bargraph            |
| Analog Meter        |
| Real Time Trend     |
| Historical Trend    |
| Email Log           |
| XY Plot             |
| Advanced Meter      |
| Advanced Bargraph   |

| Supported Tasks       |
|-----------------------|
| Button specific tasks |
| Global tasks          |
| Screen specific tasks |
| Data exchange tasks   |

| Clock Objects |
|---------------|
| Time          |
| Date          |

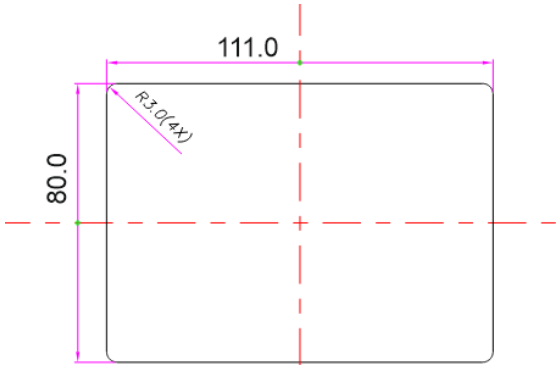
## **Supported Protocols**

| <b>Sr. No.</b> | <b>Protocols</b>                     | <b>Sr. No.</b> | <b>Protocols</b>                 |
|----------------|--------------------------------------|----------------|----------------------------------|
| 1              | Delta PLCs                           | 7              | Modbus RTU (Unit as Slave)       |
| 2              | FlexiLogics Slave Driver (Serial)    | 8              | Universal Serial Driver (ASCII)  |
| 3              | FlexiLogics Master Driver (Serial)   | 9              | Universal Ethernet Driver(ASCII) |
| 4              | Modbus ASCII (Unit as Master)        | 10             | Modbus TCP/IP client             |
| 5              | Modbus RTU (Unit as Master)          | 11             | Modbus TCP/IP server             |
| 6              | FlexiLogics Master Driver (Ethernet) |                |                                  |

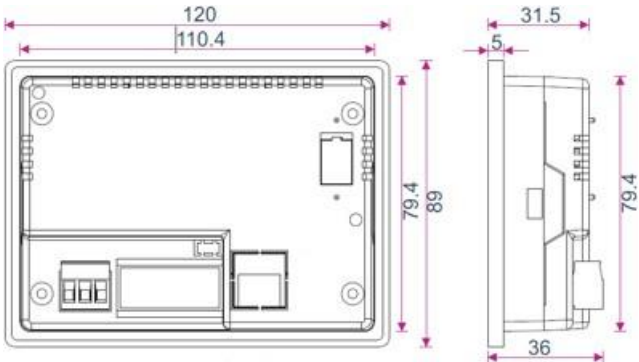
## **Ordering Information**

| <b>Models</b> | <b>Description</b>                                                                                        |
|---------------|-----------------------------------------------------------------------------------------------------------|
| FP4043CN      | 4.3" TFT, 24VDC, 1 Serial ports (1 RS232, 1 RS485), 1 USB Device, 1 USB Host, 1 Ethernet, 1 SD card slot  |
| FP4070CN      | 7" TFT, 24VDC, 2 Serial ports (1 RS232, 1 RS485), 1 USB Device, 1 USB Host, 1 Ethernet, 1 SD card slot    |
| FP4101CN      | 10.1" TFT, 24VDC, 2 Serial ports (1 RS232, 1 RS485), 1 USB Device, 1 USB Host, 1 Ethernet, 1 SD card slot |

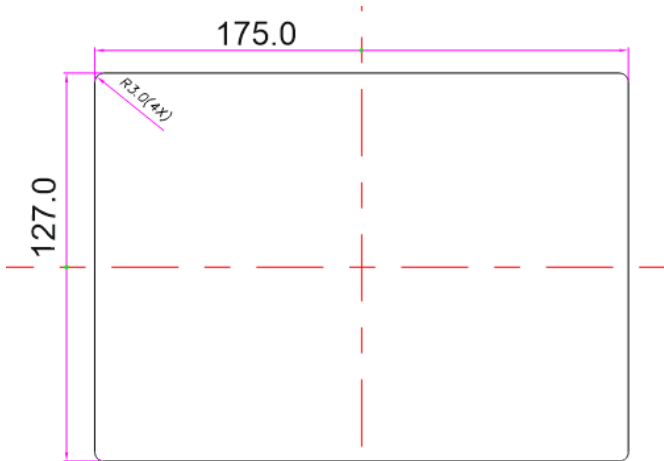
**Dimensions**



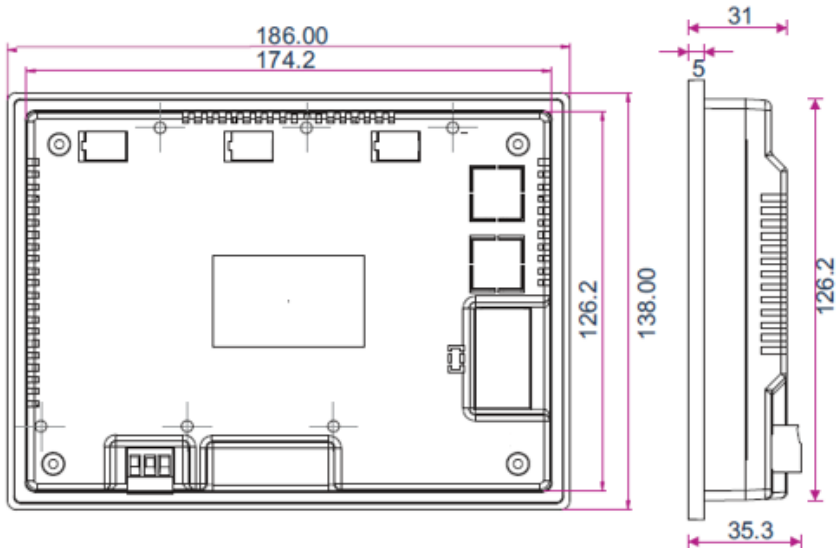
PANEL CUT OUT DIMENSIONS



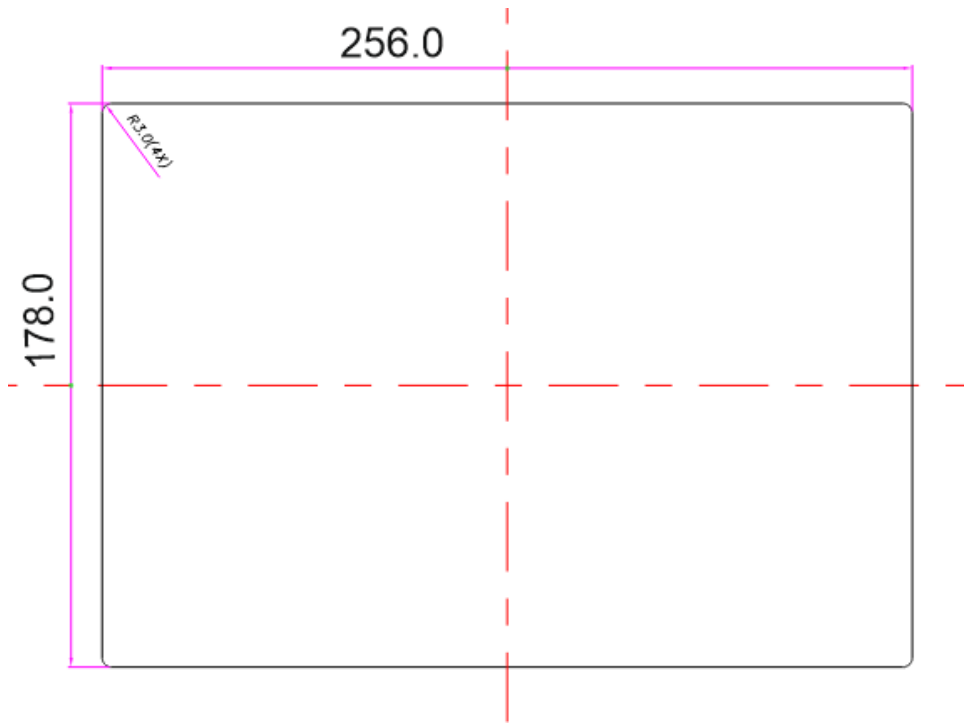
FP4043CN



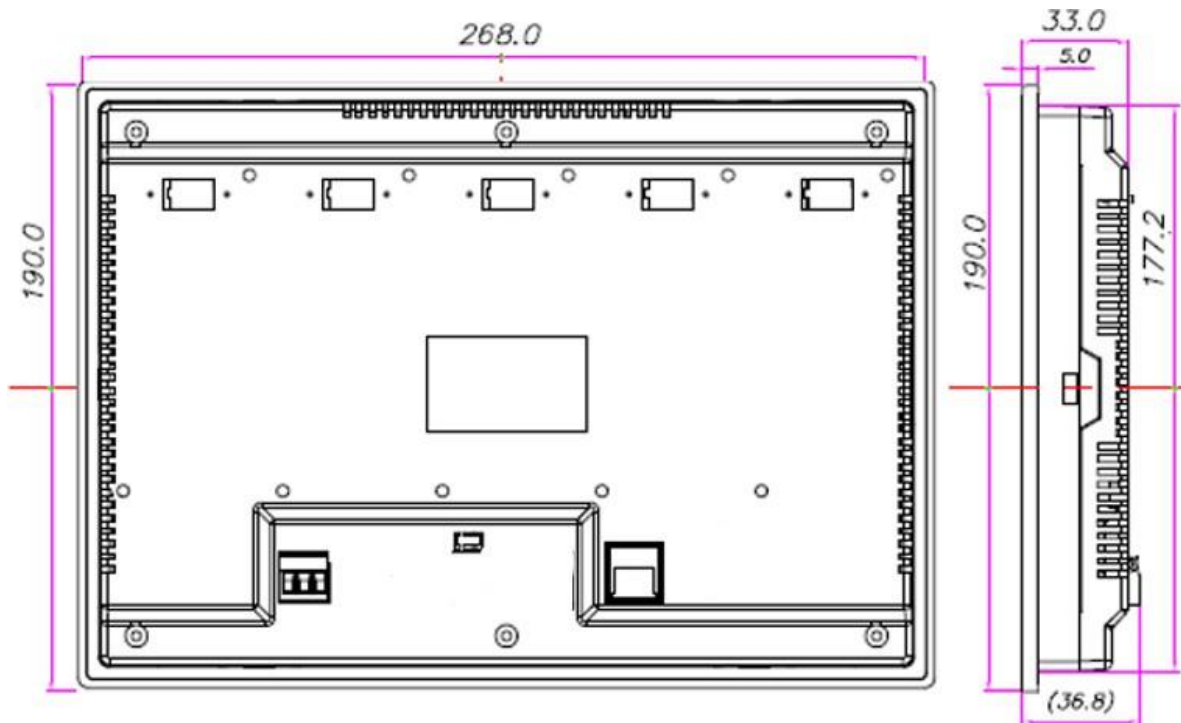
PANEL CUT OUT DIMENSIONS



FP4070CN



PANEL CUT OUT DIMENSIONS



FP4101CN

Please contact factory for more information. We welcome an opportunity to develop new, custom drivers and customized units.



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