

## SAMKOON HMI

### EA-043A

#### High-speed Communication :

- Built-in USB communication ports integrate communication modes of RS232/422/485
- Support free port communication
- Abundant PLC protocols

#### High Performance :

- Large FLASH capacity; USB disk storage
- Large capacity of data storage
- Data saving when power failure

#### User-defined Boot Logo :

- Boot Logo screen can be customized and be upgraded to HMI through software

#### Collection of Recipe Data and Historical Data :

- Support multiple sets of recipes with sub recipes
- Support collection of discrete data

#### Animation Display :

- Realize dynamic effects via functions of Picture Display or GIF display

#### Macros :

- C language script
- Custom function libraries
- Free port communication protocols
- C standard Mathematical Functions
- Various modes of execution

#### Quick Boot :

- Two seconds for screen on
- Five seconds for overall start

Configuration software :

- Easy to operate
- Abundant functions

Simulation :

- Online simulation and offline simulation.

USB Driver :

- Support automatic installation
- High USB downloading speed
- High reliability and strong robust

Data security :

- Neoteric password mechanism ensures operations safer and more reliable

Picture Library :

- Provide rich and broad-spectrum vector library
- Support for BMP, JPG and other image formats
- Provide standard vector frames
- High definition resistance screen

|                 |                   |                      |
|-----------------|-------------------|----------------------|
| <b>Hardware</b> | Outline dimension | 138 × 86 × 38 mm     |
|                 | Cut-out Size      | 132 × 80 mm          |
|                 | Net Weight        | 0.2Kg                |
| <b>Display</b>  | Model             | EA-043A              |
|                 | Display Size      | 4.3"(16:9)           |
|                 | Resolution (Px)   | 480 × 272            |
|                 | Touch Screen      | Four-wire screen     |
|                 | Color             | 262,114              |
|                 | Backlight         | LED                  |
|                 | Contrast Ratio    | 400:1                |
|                 | Luminance         | 400cd/m <sup>2</sup> |

|                                 |                        |                          |                |
|---------------------------------|------------------------|--------------------------|----------------|
| <b>Properties/Certification</b> | Memory                 | 128M FLASH + 32M DDR2    |                |
|                                 | CPU                    | ARM9 200MHz              |                |
|                                 | Electric Strength Test | 500V DC, 1min            |                |
|                                 | ESD                    | Level2 ± 4kV             |                |
|                                 | FCC                    | FCC, Class A             |                |
|                                 | CE                     | EN55022 & EN55024        |                |
|                                 | Protection Grade       | IP65 (Front panel)       |                |
|                                 | Housing Material       | ABS + PC                 |                |
|                                 | <b>Power/Port</b>      | Power Supply             | DC24V (+/-15%) |
|                                 |                        | Power Consumption        | 3W             |
| Series Port                     |                        | COM : RS232/422/485      |                |
| USB-A                           |                        | YES                      |                |
| USB-B                           |                        | YES                      |                |
| Ethernet Port                   |                        | NO                       |                |
| <b>Environment</b>              |                        | Operation Temperature    | -20 ~ 65°C     |
|                                 | Operation Humidity     | 10 ~ 90%RH               |                |
|                                 | Shockproof             | 10 ~ 25Hz (XYZ 2G/30min) |                |
| <b>Software</b>                 | PC Software            | SATOOL                   |                |

