



Human Machine Interfaces  
efficient XGT Panel

# eXP Series



www.nicsanat.com

021-87700210

## Effective Control and Monitoring Solution Cost-Efficient eXP!

- Simple Design
- 4.3", 7" and 10.2" wide-screen sizes TFT color LCD
- Wide variety of communication interfaces
  - 2-3-channel serial communication
  - Ethernet
- Large memory for drawing (64MB)
- RTC function (maintained by battery)
- Convenient downloading/uploading of drawings via USB port in the front



- TFT LCD-applied wide type
- LED Backlight adopted for enhanced contrast ratio and low-power
- PLC Ladder monitoring function: Only XGK/XBC supports\*
- Web Server\* / Data Server\* / Path-Through Function\*
- Remote Viewer Function\*
- Screen editor : XP-Builder

† Functions supported by TTA model only



## Specifications

| Item                  |               | eXP20-TTA/DC                                                                           | eXP40-TTE/DC                                                    | eXP40-TTA/DC             | eXP60-TTA/DC                                  |
|-----------------------|---------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------|--------------------------|-----------------------------------------------|
| Display Type          |               | TFT color LCD                                                                          |                                                                 |                          |                                               |
| Display Size          |               | 10.9cm (4.3 inch)                                                                      | 17.7cm (7 inch)                                                 |                          | 25.9cm (10.2 inch)                            |
| Resolution            |               | 480 x 272 (WQVGA)                                                                      | 800 x 480 (WVGA)                                                |                          |                                               |
| Color                 |               | 16.7M colors                                                                           |                                                                 |                          | 65,536 colors                                 |
| Display Angle         |               | Left/Right: 60 deg. Up: 40 deg. Down: 60 deg.                                          |                                                                 |                          | Left/Right: 55 deg. Up: 35 deg. Down: 55 deg. |
| Backlight             |               | LED mode, Auto On/Off                                                                  |                                                                 |                          |                                               |
| Backlight Capacity    |               | 30,000 hr or more                                                                      | 20,000 hr or more                                               |                          |                                               |
| Brightness(LCD)       |               | 550 cd/m <sup>2</sup>                                                                  | 500 cd/m <sup>2</sup>                                           |                          | 350 cd/m <sup>2</sup>                         |
| Touch Panel           |               | 4-wire system, Analogue                                                                |                                                                 |                          |                                               |
| Sound                 |               | Magnetic buzzer (85dB)                                                                 |                                                                 |                          |                                               |
| Processor             |               | ARM9 Core (32bit RISC), 454MHz                                                         |                                                                 |                          |                                               |
| Memory                | Flash         | 128MB(Screen 64MB)                                                                     |                                                                 |                          |                                               |
|                       | Operation RAM | 128MB                                                                                  |                                                                 |                          |                                               |
|                       | Backup RAM    | 128KB                                                                                  |                                                                 |                          |                                               |
| Backup Type           |               | Date/Time data, Logging/Alarm/Recipe data, non-volatile device                         |                                                                 |                          |                                               |
| Battery Capacity      |               | Around 3 years (Upon operation at 25℃)                                                 |                                                                 |                          |                                               |
| RTC Function          |               | Built-in                                                                               |                                                                 |                          |                                               |
| Ethernet              |               | 1 channel, 10/100BASE-TX                                                               | -                                                               | 1 channel, 10/100BASE-TX |                                               |
| USB Port              |               | 1 channel, USB 2.0 host (mouse, keyboard, printer* and USB memory driver is available) |                                                                 |                          |                                               |
|                       |               | -                                                                                      | 1 channel, USB 2.0 slave (for download and upload project file) |                          |                                               |
| RS-232C               |               | 1 channel                                                                              |                                                                 |                          |                                               |
| RS-485                |               | -                                                                                      | 1 channel                                                       |                          |                                               |
| RS-422/485            |               | 1 channel, 422/485 Combination                                                         |                                                                 |                          |                                               |
| Multi-language        |               | Up to 12 language simultaneously                                                       |                                                                 |                          |                                               |
| Animation             |               | GIF format is available                                                                |                                                                 |                          |                                               |
| Recipe                |               | available                                                                              |                                                                 |                          |                                               |
| Data logging          |               | available                                                                              |                                                                 |                          |                                               |
| Script executor       |               | available                                                                              |                                                                 |                          |                                               |
| Certification         |               | CE, UL(cUL), KC                                                                        |                                                                 |                          |                                               |
| Protection            |               | IP65                                                                                   |                                                                 |                          |                                               |
| Size (mm)             |               | 128.0 × 102.0 × 32.0                                                                   | 208.0 × 154.0 × 44.0                                            |                          | 276.0 × 218.0 × 44.2                          |
| Panel Cut (mm)        |               | 119.0 × 93.0                                                                           | 192.0 × 138.0                                                   |                          | 260.0 × 202.0                                 |
| Power                 |               | DC24V                                                                                  |                                                                 |                          |                                               |
| Power Consumption (W) |               | 7.1                                                                                    | 23.1                                                            |                          |                                               |
| Weight (kg)           |               | 0.3                                                                                    | 0.59                                                            | 0.60                     | 1.0                                           |

† SEW00 printer only

## Dimensions

[Unit: mm]

