



XTOP 제품에서 TOPR의 성능으로 향상된 시리즈  
일반/방폭 모델

EMBEDDED HMI

SMART X HMI



INTERFACE

SERIAL 3(2) PORTS | ETHERNET 2(1) CHANNEL | USB HOST | USB OTG | SD CARD

\* 15", 12", 10", 8", 6" 모델별 포트의 갯수를 확인하세요.

CERTIFICATION



기본 인증

방폭 모델 추가 인증

FEATURES



QUAD CORE CPU

빠른 처리 속도를 지원하는 쿼드 코어 CPU 채택



16M FULL COLOR

밝고 선명한 풀컬러, 벡터 이미지 라이브러리 지원



터치 드래그 가능

터치 드래그로 그림을 그려 메모를 남기거나  
상단 메뉴를 스크롤하여 나타나게 하는 기능



세련된 일체형 본체

고급스러운 일체형 본체로 다루기 쉽고  
보는 즐거움과 조작하는 즐거움을 동시에 제공



XTOP 시리즈와 호환성

단종된 XTOP 제품과 동일한 패널컷을 제공  
기존 XTOP 제품을 대체하여 사용 가능



이더넷 2 채널 제공

서로 다른 IP를 가진 이기종 네트워크 지원  
(10" 이상 모델)



전면 OTG USB

프로그램을 전송할 수 있는 전송 모드와  
USB 장치(메모리, 바코드 리더, 카메라 등)를  
장치할 수 있는 HOST 모드로 전환 가능



T6 온도 등급 방폭 인증

KCs(한국), CCC(중국), ATEX(유럽)  
방폭 인증 획득

# TOPRX SPECIFICATIONS

| Functional      | General model                | TOPRX 1500XD    | TOPRX 1200XD    | TOPRX 1200SD  | TOPRX 1000SD   | TOPRX 1000VD    | TOPRX 0800SD   | TOPRX 0800VD   | TOPRX 0500VD   |
|-----------------|------------------------------|-----------------|-----------------|---|--|-----------------|--|----------------|----------------|
|                 | Explosion proof model        | TOPRX 1500XD-Ex | TOPRX 1200XD-Ex | TOPRX 1200SD-Ex   | TOPRX 1000SD-Ex  | TOPRX 1000VD-Ex |  |                |                |
| Display         | Display Type                 | 15" TFT Color   | 12.1" TFT Color | 10.4" TFT Color   | 10.4" TFT Color  | 10.4" TFT Color | 8.4" TFT Color   | 8.4" TFT Color | 5.6" TFT Color |
|                 | Color                        |                 |                 |   |  |                 | 16M Colors   |                |                |
|                 | Display Area(mm)             | 394.1x228.1     | 246x164.5       | 246x164.5   | 211.2x158.4  | 211.2x158.4     | 170.4x127.8  | 170.9x128.2    | 112.9x84.7     |
|                 | Resolution(dot)              | 1024x768        | 1024x768        | 800x600   | 800x600  | 800x600         | 640x480  | 800x600        | 640x480        |
| Touch           | Brightness Level             |                 |                 |   | 10 Levels (by software)  |                 |  |                |                |
|                 | Backlight Type               |                 |                 |   | LED  |                 |  |                |                |
|                 | Backlight Life               |                 |                 |   | 50,000 hours   |                 |  |                |                |
|                 | Touch Type                   |                 |                 |   | Analog resistive film  |                 |  |                |                |
| Interface       | Resolution(eef)              | 1024x768        | 1024x768        | 800x600   | 800x600  | 640x480         | 800x600  | 640x480        | 640x480        |
|                 | Touch Life                   |                 |                 |   | 1 million times or more  |                 |  |                |                |
|                 | Serial COM1                  |                 |                 |   | RS-232C, RS-422/485 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       | Serial COM3                  |                 |                 | RS-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: 3.5mm 3pin x 1        |  |                 |  |                |                |
|                 | Ethernet                     |                 |                 | IEEE802.3, IEEE802.3u, 10BASE-T/100BASE-TX<br>Connector: RJ-45 x 2  |  |                 | IEEE802.3, IEEE802.3u, 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                |  |                 |  |                |                |
|                 | 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 |  |                 |  |                |                |
| Memory & Others | SD Card                      |                 |                 |   | SD Card Slot x 1, SDHC(MAX 32GB)   |                 |  |                |                |
|                 | Printer                      |                 |                 |   | Roll Printer(EPSON protocol): RS-232C  |                 |  |                |                |
|                 | Screen Memory                |                 |                 |   | 128MB  |                 |  |                |                |
|                 | Backup Memory                |                 |                 |   | 512KB: System buffer(10K Word), including Alarm/Logging/Recipe   |                 |  |                |                |
| Power           | Backup Period                |                 |                 |   | Permanent  |                 |  |                |                |
|                 | Real Time Clock              |                 |                 |   | Built in   |                 |  |                |                |
|                 | Status LED                   |                 |                 |   | 3 LEDs(Power, Operation, Link) Built in  |                 |  |                |                |
|                 | Input Voltage                |                 |                 |   | 24Vdc(20~28Vdc)  |                 |  |                |                |
| Environment     | Power Consumption            | 18W or less     | 15W or less     |   |  | 12W or less     |  |                |                |
|                 | voltage Sag                  |                 |                 |   | 24vdc, Within 10ms   |                 |  |                |                |
|                 | Insulation Resistance        |                 |                 |   | 500Vdc, 10M  |                 |  |                |                |
|                 | Operation Temperature(°C)    |                 |                 |   | -10 ~ +50  |                 |  |                |                |
|                 | Storage Temperature(°C)      |                 |                 |   | -20 ~ +60  |                 |  |                |                |
|                 | Operation Humidity(%RH)      |                 |                 |   | 0 ~ 90(No dew)   |                 |  |                |                |
|                 | Atmosphere                   |                 |                 |   | No corrosive gas   |                 |  |                |                |
|                 | Vibration Endurance          |                 |                 |   | Amplitude: 10s/1/25Hz(2G) X,Y,Z each direction(for 30 minutes)   |                 |  |                |                |
|                 | Noise Immunity               |                 |                 |   | 1000V/μs(Pulse width 1μs)  |                 |  |                |                |
|                 | Static Electricity Discharge |                 |                 |   | Connective discharge from EN61000-4-2 ±4kV   |                 |  |                |                |
| Structure       | Shock Endurance              |                 |                 |   | 10G x,Y,Z each direction(for 3 times)  |                 |  |                |                |
|                 | Ground Connection            |                 |                 |   | Class 3(100Ω) under  |                 |  |                |                |
|                 | Protection Classification    |                 |                 |   | General model: IP65(Front), Explosion proof model: IP54(Front) for CCC, IP4X(Front) for KCs  |                 |  |                |                |
|                 | Certification                |                 |                 |   | General model: CE, KC, UL<br>Explosion proof model: CE, KC, UL, KCs, CCC, ATEX   |                 |  |                |                |
| Structure       | Panel Cut(mm)                | 355x286         | 306x247         | 306x247   | 260x202  | 260x202         | 222x168  | 222x168        | 158x126        |
|                 | External Dimension(mm)       | 369x300x67.2    | 320x261x64.7    | 320x261x64.7  | 274x216x64.7   | 274x216x64.7    | 236x182x58.9   | 236x182x58.9   | 172x140x58     |
|                 | Weight(kg)                   | 2.78            | 2.18            | 2.18  | 1.68   | 1.68            | 1.06   | 1.06           | 0.62           |
|                 | Cooling System               |                 |                 |   | Natural air circulation  |                 |  |                |                |
| Case Material   |                              |                 |                 | PC(Resistance to flame)   |  |                 |  |                |                |

# DRAWING

**일반 모델**  
TOPRX1500XD  
**방폭 모델**  
TOPRX1500XD-Ex

- 1 USB OTG(Mini 5Pin B-Type)
- 2 USB Host 1P
- 3 Ethernet 2Ch
- 4 Serial COM2
- 5 Serial COM1
- 6 SD Card Slot
- 7 Status LED
- 8 Power Input
- 9 Serial COM3

**일반 모델**  
TOPRX1200XD  
TOPRX1200SD  
**방폭 모델**  
TOPRX1200XD-Ex  
TOPRX1200SD-Ex

- 1 USB OTG(Mini 5Pin B-Type)
- 2 USB Host 1P
- 3 Ethernet 2Ch
- 4 Serial COM2
- 5 Serial COM1
- 6 SD Card Slot
- 7 Status LED
- 8 Power Input
- 9 Serial COM3

**일반 모델**  
TOPRX1000SD  
TOPRX1000VD  
**방폭 모델**  
TOPRX1000SD-Ex  
TOPRX1000VD-Ex

- 1 USB OTG(Mini 5Pin B-Type)
- 2 USB Host 1P
- 3 Ethernet 2Ch
- 4 Serial COM3
- 5 Serial COM1
- 6 SD Card Slot
- 7 Status LED
- 8 Power Input
- 9 Serial COM3

**일반 모델**  
TOPRX0800SD  
TOPRX0800VD

- 1 USB OTG(Mini 5Pin B-Type)
- 2 USB Host 1P
- 3 Ethernet 1Ch
- 4 Serial COM2
- 5 Serial COM1
- 6 SD Card Slot
- 7 Status LED
- 8 Power Input

**일반 모델**  
TOPRX0500VD

- 1 USB OTG(Mini 5Pin B-Type)
- 2 USB Host 1P
- 3 Ethernet 1Ch
- 4 Serial COM2
- 5 Serial COM1
- 6 SD Card Slot
- 7 Status LED
- 8 Power Input