

Industrial IR Touch Panel

TFT/PANxxxIS-F1 (7.5 to 15 inch)

- Scratch and shock resistant
- Various screen sizes
- Infrared touch technology
- Front with IP65 protection
- Driver for Windows CE, XPe
- Rugged, no rotating parts
- ATEX zone 22



Features

System

- 7.5 inch to 15 inch TFT-Display
- Single link DVI-D
- Infrared Touch Screen
- RS232 Touch interface

Industrial Specific

- Scratch and break resistant safety glass
- ESD-protection on all interfaces
- 24V Power Supply
- Long-term available

Operating Systems

- Windows XP embedded
- Windows 2000
- Windows CE
- others on request

System Solutions

- HMI - Touch Panel PC*
- PAN - Touch Panel

Applications

- Machine control
- Control systems
- Visualization
- process engineering

Further Features

- Full digital video signals (DVI)
- Long distance solution up to 30m
- Metal housing
- IP65 protection (front)
- customized front design

Tests/Certifications

- CE
- Vibration and Shock
- EMC
- ESD
- ATEX zone 22

Specifications and Order Information

| | TFT/PAN075IS-F1 | TFT/PAN104IS-F1 | TFT/PAN121IS-F1 | TFT/PAN150IS-F1 |
|---|-----------------|-----------------|-----------------|-----------------|
| Standard Temperature Range | • | • | • | • |
| Extended Temperature Range | | | | |
| TFT Display | | | | |
| Size | 7.5 inch | 10.4 inch | 12.1 inch | 15 inch |
| Resolution | 640 x 480 | 640 x 480 | 800 x 600 | 1024 x 768 |
| Brightness (display only) | 300cd/m2 | 300cd/m2 | 300cd/m2 | 250cd/m2 |
| Contrast ratio | 450:1 | 450:1 | 500:1 | 400:1 |
| Viewing Angle | H-140° V-120° | H-120° V-90° | H-130° V-110° | H-140° V-110° |
| Color performance | 256k | 256k | 256k | 256k |
| Touch Screen | | | | |
| Touch screen technology | infrared | infrared | infrared | infrared |
| Scratch and shock resistant | • | • | • | • |
| Transmittance | > 90% | > 90% | > 90% | > 90% |
| Mouse compatible driver Windows CE, 2000, XP | • | • | • | • |
| Peripherals | | | | |
| Single Link DVI-Interface | • | • | • | • |
| Brightness | per software | per software | per software | per software |
| Communication Interfaces | | | | |
| RS232 ESD protected | 1 | 1 | 1 | 1 |
| Technical Data | | | | |
| Dimensions W x H x D [mm] | 248 x 192 x 63 | 345 x 26 x 63 | 361 x 279 x 63 | 427 x 332 x 63 |
| Input Voltage nom. 24V (20.0 ... 30.0 V) | • | • | • | • |
| Power Consumption typ. in Watt @ 24V | 7 | 10 | 20 | 23 |
| Operating Temp. (vertical installation) 0° ~ +50° C | • | • | • | • |
| Storage Temperature -20° ~ +60° C | • | • | • | • |
| IP65 front IP20 rear protection | • | • | • | • |
| Shock 15g / 11ms | • | • | • | • |
| Vibration <60Hz: 3.5mm, >60Hz: 1g | • | • | • | • |
| Conformity EN-61000-6-2/3 | • | • | • | • |
| User Documentation | | | | |
| tbd | | | | |



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