

## Touch panel - TP 5150S - 2403106

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Touch panel with 38.1 cm/15" TFT-display (analog resistive (polyester)), 1024 x 768 pixel(s) (XGA), 16.2 million colors, Intel® Atom™ N455 1.66 GHz, 4x USB 2.0, 1x COM (RS-232/422/485), 2x COM (RS-232), 2x Ethernet (10/100/1000 Mbps), RJ45, Windows® Embedded Compact 7 and user software: Visu+ / AX OPC Server. (bus system: without)

### Your advantages

- ✓ IP65 degree of protection (front) IP20 degree of protection (back)
- ✓ LCD display with resistive touch screen
- ✓ Energy-efficient Intel® ATOM™ processors
- ✓ Three COM ports
- ✓ Fanless design
- ✓ Visu+ RT and AX OPC server integrated as standard in all devices

RoHS

### Key Commercial Data

|              |                                                                                      |
|--------------|--------------------------------------------------------------------------------------|
| Packing unit | 1 pc                                                                                 |
| GTIN         |  |
| GTIN         | 4055626247915                                                                        |

### Technical data

#### Note

|                         |                                                                           |
|-------------------------|---------------------------------------------------------------------------|
| Utilization restriction | EMC: class A product, see manufacturer's declaration in the download area |
|-------------------------|---------------------------------------------------------------------------|

#### Dimensions

|                                               |                                         |
|-----------------------------------------------|-----------------------------------------|
| Outer dimensions: width, height, depth        | 410 mm x 309 mm x 55 mm                 |
| Installation dimensions: width, height, depth | 386.6 mm x 285 mm (Installation cutout) |

#### Display

|                   |                                 |
|-------------------|---------------------------------|
| Display           | 38.1 cm/15" TFT                 |
| Screen resolution | 1024 x 768 Pixel(s) (XGA)       |
| Touch technology  | analog resistive (polyester)    |
| Brightness        | 350 cd/m², typical (adjustable) |

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## Technical data

### Display

|                        |                     |
|------------------------|---------------------|
| Backlighting           | CCFL                |
| Display backlight MTBF | > 50000 h           |
| Colors                 | 16.2 million colors |

### Computer data

|                         |                                      |
|-------------------------|--------------------------------------|
| Processor               | Intel® Atom™ N455 1.66 GHz           |
| Cooling                 | passive                              |
| Operating system        | Windows® Embedded Compact 7          |
| User software           | Visu+                                |
|                         | AX OPC Server                        |
| RAM                     | 2 GB DDR3 SODIMM                     |
| Mass storage            | CompactFlash®, 2 GB                  |
| Network                 | 2x Ethernet (10/100/1000 Mbps), RJ45 |
| Interfaces              | 4x USB 2.0                           |
|                         | 1x COM (RS-232/422/485)              |
|                         | 2x COM (RS-232)                      |
| Monitor output          | 1x VGA                               |
| Bus system              | without                              |
| Realtime clock          | Yes (battery-backed)                 |
| Service life of battery | 5 years (typical)                    |

### General

|                      |                             |
|----------------------|-----------------------------|
| Material front plate | Aluminum die-cast           |
| Mounting type        | Installation in front plate |
| Weight               | 6.5 kg                      |

### Ambient conditions

|                                          |                                              |
|------------------------------------------|----------------------------------------------|
| Degree of protection                     | IP65 (front), IP20 (back)                    |
| Ambient temperature (operation)          | 0 °C ... 50 °C                               |
| Ambient temperature (storage/transport)  | -40 °C ... 70 °C                             |
| Permissible humidity (operation)         | 5 % ... 95 % (non-condensing)                |
| Permissible humidity (storage/transport) | 5 % ... 95 % (non-condensing)                |
| Vibration (operation)                    | DIN EN 60068-2-6                             |
| Shock                                    | 15g, 11 ms in accordance with IEC 60068-2-27 |

### Device supply

|                      |                         |
|----------------------|-------------------------|
| Supply voltage       | 24 V DC                 |
| Supply voltage range | 19.2 V DC ... 28.8 V DC |
| Power consumption    | typ. 12.5 W             |
| Power supply unit    | 24 V DC ±20 %           |

### Standards and Regulations

|       |                                              |
|-------|----------------------------------------------|
| Shock | 15g, 11 ms in accordance with IEC 60068-2-27 |
|-------|----------------------------------------------|

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### Standards and Regulations

|                       |                  |
|-----------------------|------------------|
| Vibration (operation) | DIN EN 60068-2-6 |
|-----------------------|------------------|

## Classifications

### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 27250315 |
| eCl@ss 4.1 | 27250315 |
| eCl@ss 5.0 | 27259205 |
| eCl@ss 5.1 | 27330200 |
| eCl@ss 6.0 | 27242300 |
| eCl@ss 7.0 | 27242302 |
| eCl@ss 8.0 | 27242302 |
| eCl@ss 9.0 | 27330201 |

### ETIM

|          |          |
|----------|----------|
| ETIM 3.0 | EC001414 |
| ETIM 4.0 | EC001413 |
| ETIM 5.0 | EC001412 |
| ETIM 6.0 | EC001412 |

### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 43172015 |
| UNSPSC 7.0901 | 43201404 |
| UNSPSC 11     | 43172015 |
| UNSPSC 12.01  | 43201404 |
| UNSPSC 13.2   | 43211904 |
| UNSPSC 19.0   | 43211904 |

## Accessories

### Spare parts

Printed-circuit board connector - MSTB 2,5/ 3-STF - 1786844



PCB connector, nominal current: 12 A, rated voltage (III/2): 320 V, nominal cross section: 2.5 mm<sup>2</sup>, number of positions: 3, pitch: 5 mm, connection method: Screw connection with tension sleeve, color: green, contact surface: Tin

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