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Maritime-Touch panel, 17.8 cm / 7"-TFT display (Analog resistive (GFG)), 800 x 480 pixel(s) (WVGA), 262144 colors, Intel® Atom™ E680T 1.6 GHz, 4x USB Host 2.0, 1x COM (RS-232), 1x COM (RS-232/485), 2x Ethernet (10/100/1000 Mbps), RJ45, Windows® CE 6.0, Open platform, DualCAN.

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 2401286       |
| Packing unit                         | 1 pc          |
| Minimum order quantity               | 1 pc          |
| Product key                          | DRCBCA        |
| GTIN                                 | 4055626107646 |
| Weight per piece (including packing) | 900 g         |
| Weight per piece (excluding packing) | 900 g         |
| Country of origin                    | DE            |

## Technical data

### Notes

#### Utilization restriction

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

### Product properties

|              |                |
|--------------|----------------|
| Product type | Operator panel |
| Application  | Maritime       |

#### Computer data

|                     |                            |
|---------------------|----------------------------|
| Processor           | Intel® Atom™ E680T 1.6 GHz |
| Operating system    | Windows® CE 6.0            |
| RAM                 | 2 GB DDR2 SDRAM            |
| Data storage system | SATA DOM SSD (SLC), 8 GB   |
| Slots               | 1x SD                      |
| Extras              | Maritime with keys         |

#### Display

|                       |                                 |
|-----------------------|---------------------------------|
| Display type          | 17.8 cm / 7"-TFT                |
| Screen resolution     | 800 x 480 Pixel(s) (WVGA)       |
| Touch technology      | Analog resistive (GFG)          |
| Display lighting type | LED                             |
| Brightness            | 350 cd/m², typical (adjustable) |
| MTBF                  | 40000 h                         |
| Color spectrum        | 262144 colors                   |
| Reading angle left    | 70.00 °                         |
| Reading angle right   | 70.00 °                         |
| Reading angle top     | 65.00 °                         |
| Reading angle bottom  | 65.00 °                         |

### Interfaces

|            |                                      |
|------------|--------------------------------------|
| Interfaces | 4x USB Host 2.0                      |
|            | 1x COM (RS-232)                      |
|            | 1x COM (RS-232/485)                  |
| Network    | 2x Ethernet (10/100/1000 Mbps), RJ45 |
| Bus system | DualCAN                              |

### System properties

|               |               |
|---------------|---------------|
| User software | Open platform |
|---------------|---------------|

### Electrical properties

|                         |                   |
|-------------------------|-------------------|
| Service life of battery | 5 years (typical) |
|-------------------------|-------------------|

## Supply

|                             |       |
|-----------------------------|-------|
| Typical current consumption | 0.7 A |
|-----------------------------|-------|

## Real-time clock

|                |     |
|----------------|-----|
| Realtime clock | Yes |
|----------------|-----|

## Supply

|                   |               |
|-------------------|---------------|
| Power supply unit | 24 V DC ±20 % |
|-------------------|---------------|

## Mounting

|               |             |
|---------------|-------------|
| Mounting type | Bolt fixing |
|---------------|-------------|

## Material specifications

|                      |                           |
|----------------------|---------------------------|
| Material front plate | Aluminum (black anodized) |
| Housing material     | Steel sheet, zinc-plated  |

## Environmental and real-life conditions

## Ambient conditions

|   |                                       |
|---|---------------------------------------|
| Degree of protection                    | IP65 (front), IP20 (back)             |
|   | NEMA 4X                               |
| Ambient temperature (operation)         | 0 °C ... 55 °C                        |
| Ambient temperature (storage/transport) | -25 °C ... 70 °C                      |
| Altitude                                | 3000 m                                |
| Permissible humidity (operation)        | 20 % ... 85 %                         |
| Shock                                   | 15g, according to IEC 60068-2-27      |
| Vibration (operation)                   | 0.7g, in accordance with EN 60068-2-6 |

## Dimensions

## External dimensions

|                        |  |
|------------------------|--|
| Width / Height / Depth | 234 mm / 189 mm / 5 mm (Dimensions of the front plate) |
|------------------------|--|

## Installation dimensions

|                                     |                         |
|-------------------------------------|-------------------------|
| Width / Height / Installation depth | 200 mm / 155 mm / 95 mm |
|-------------------------------------|-------------------------|

## Environmental product compliance

### China RoHS

|  |   |
|--|---|
| Environment friendly use period (EFUP) | EFUP-15   |
|  | An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required. |

### EU REACH SVHC

|                                     |                            |
|-------------------------------------|----------------------------|
| REACH candidate substance (CAS No.) | No substance above 0.1 wt% |
|-------------------------------------|----------------------------|

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