

# Touch Industrial PC Front Panel 21.5

## Datasheet

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### Panel

|                                     |  |
|-------------------------------------|--|
| LCD Size                            | 21.5 inch (54.6 cm)                                |
| Resolution                          | 1920 x 1080  |
| Aspect Ratio                        | 16 : 9   |
| Technology                          | TFT  |
| Colours                             | 16.7 M   |
| Backlight                           | LED  |
| Backlight Life Time                 | 50,000 h   |
| Luminance*                          | 400 cd/m <sup>2</sup>                              |
| Contrast Ratio*                     | 1000 : 1   |
| Viewing Angle* (right/left/up/down) | 89°/89°/89°/89°                                    |
| Touch                               | Projected Capacitive Touch, Multitouch, Anti-Glare |

\*The values are referring to the display only.

### System

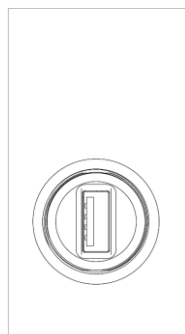
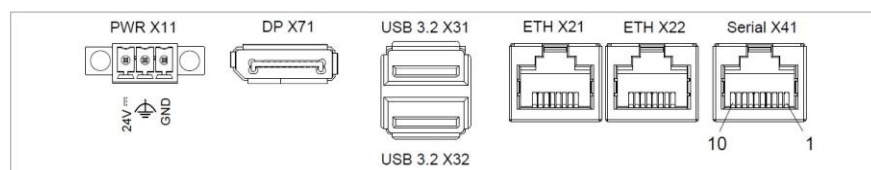
|                       |  |
|-----------------------|--|
| CPU                   | Intel® Atom® QC x6425E (2.0 GHz / 3.0 GHz)               |
| Graphic               | Intel® UHD Graphics 500 MHz                              |
| Memory                | 8 GB DDR4  |
| Storage               | 128 GB 3D TLC SSD  |
| BIOS                  | AMI Optio 5 BIOS   |
| Wake on LAN           | Yes  |
| H/W Status Monitoring | Supports Power Supply Voltage and Temperature Monitoring |
| CMOS Battery          | Lithium Battery (CR2450/610 mAh)                         |
| RTC                   | Internal RTC   |
| TPM                   | TPM 2.0 (SLB9670)  |
| Watchdog              | Yes  |
| RAID                  | No   |

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## Datasheet

### Interfaces

|                |  |
|----------------|--|
| <b>Power</b>   | 1 x Phoenix 3-pin MC 1,5/ 3-STF-3,5 BK (screwable), PWR X11                  |
| <b>USB</b>     | 2 x USB Host 3.2 Gen 1 (Type A), X31, X32<br>1 x USB Host 2.0 (Type A), side |
| <b>Network</b> | 2 x 2.5 Gbit Ethernet (2 x RJ45), ETH X21, ETH X22                           |
| <b>Serial</b>  | 1 x RS-232 / RS-485 / RS-422 (RJ50) (BIOS setting), Serial X41               |
| <b>Video</b>   | 1 x DisplayPort 1.4, DP X71  |



#### PWR X11

| PIN | Signal |
|-----|--------|
|-----|--------|

|   |                   |
|---|-------------------|
| 1 | Ground            |
| 2 | Functional Earth  |
| 3 | 24 VDC $\pm$ 20 % |

#### Serial X41

| PIN | RS-232 | RS-422 | RS-485 |
|-----|--------|--------|--------|
| 1   | DSR    | --     | --     |
| 2   | Ground | Ground | Ground |
| 3   | Ground | Ground | Ground |
| 4   | TXD    | RX+    | --     |
| 5   | RXD    | TX+    | DATA+  |
| 6   | DCD    | TX-    | DATA-  |
| 7   | DTR    | RX-    | --     |
| 8   | CTS    | --     | --     |
| 9   | RTS    | --     | --     |
| 10  | RI     | --     | --     |

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## Datasheet

### Power Supply

|                                 |   |
|---------------------------------|---|
| <b>Supply Voltage</b>           | 24 VDC $\pm$ 20 %                                       |
| <b>Power Consumption (max*)</b> | up to 55 W  |
| <b>Power Button</b>             | No  |
| <b>Power Connector</b>          | Phoenix 3-pin MC 1,5/ 3-STF-3,5 BK (screwable), PWR X11 |
| <b>Fuse</b>                     | 6.3 A, time lag, non-exchangeable                       |

\*max. periphery consumption included (e.g. 1 x USB 2.0 equals 2.5 W)

### Mechanical & Environmental

|                            |   |
|----------------------------|---|
| <b>Housing Front</b>       | Glass, black frame  |
| <b>Housing</b>             | Aluminium / silver / black  |
| <b>Dimensions</b>          | 545 x 334 x 62 [mm]   |
| <b>Cutout</b>              | 533 x 323 [mm] rounded corners with radius 10 mm, see technical drawing |
| <b>Weight</b>              | max. 5.9 kg   |
| <b>Cooling</b>             | Passive   |
| <b>Ambient Temperature</b> | 0 ~ 50 °C   |
| <b>Storage Temperature</b> | -10 ~ 70 °C   |
| <b>Humidity</b>            | 5 ~ 80 % (non condensing)   |
| <b>Protection Class</b>    | IP65 (IP20 rear)  |
| <b>Certification</b>       | CE, EN55032 Class A, EN55035  |

Never cover the Touch Industrial PC Front Panel 21.5 completely on the back or build it in a small closed and unvented housing.

Detailed size information can be found in the technical drawing under the following link:

[Technical drawing Front Panel 21.5](#)

# Touch Industrial PC Front Panel 21.5

## Datasheet

### Ordering Information

| Ordering-No. |                                      |
|--------------|--------------------------------------|
| PA10015567   | Touch Industrial PC Front Panel 21.5 |

Datasheet valid from device revision 0.

### Disclaimer

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