

# Touch Industrial PC Front Panel 7

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### Panel

LCD Size	7.0 inch (17.8 cm)
Resolution	800 x 480
Aspect Ratio	16 : 10
Technology	TFT
Colours	16.7 M
Backlight	LED
Backlight Life Time	50,000 h
Luminance*	500 cd/m <sup>2</sup>
Contrast Ratio*	800 : 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	NXP® i.MX 8M Plus QuadCore 1.8 GHz
Graphic	3D: Vivante™ GC7000UL / 2D: Vivante™ GC520L
Memory	1 GB DDR4
Storage	8 GB eMMC FLASH
CMOS Battery	Lithium Battery (CR2450/620 mAh)
RTC	RV-8803-C7 ultra precise ±3 ppm

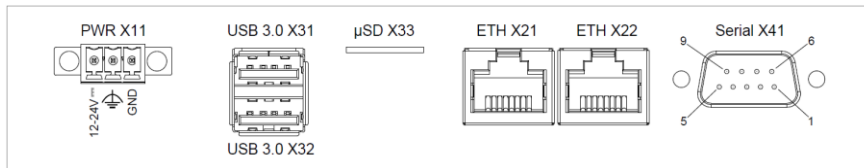
### Interfaces

Power	1 x Phoenix 3-pin MC 1,5/ 3-STF-3,5 BK (screwable), PWR X11
USB	2 x USB Host 3.0 (Type A), X31, X32
Network	2 x 1 Gbit Ethernet (RJ45)
Serial	1 x RS-232 (Sub-D)
MicroSD	1 x MicroSD Slot

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### INTERFACES



#### PWR X11

PIN	Signal
1	Ground
2	Functional Earth
3	12 - 24 VDC $\pm$ 20 %

#### Serial X41

PIN	RS-232
1	--
2	RX
3	TX
4	--
5	Ground
6	--
7	--
8	--
9	--

### Power Supply

Supply Voltage	12 - 24 VDC $\pm$ 20 %
Power Consumption (max*)	up to 20 W
Power Button	No
Power Connector	Phoenix 3-pin MC 1,5/ 3-STF-3,5 BK (screwable), PWR X11
Fuse	5 A, very fast-acting, non-exchangeable, Type: Littelfuse 0451 005.

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

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### Mechanical & Environmental

<b>Housing Front</b>	Glass, Black Frame
<b>Housing</b>	Aluminium / Silver
<b>Dimensions</b>	208 x 145 x 54 [mm]
<b>Cutout</b>	196 x 134 [mm] rounded corners with radius 10 mm, see technical drawing
<b>Weight</b>	max. 1.4 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 7 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 7"](#)

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### Ordering Information

Ordering-No.	
PA10009622	Touch Industrial PC Front Panel 7

Datasheet valid from device revision 0

### Disclaimer

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