

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 ²
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

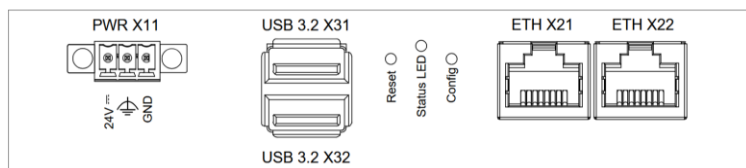
CPU	NXP® i.MX 8M Plus QuadCore 1.8 GHz
Graphic	3D: Vivante™ GC7000UL / 2D: Vivante™ GC520L
Memory	2 GB DDR4
Storage	16 GB eMMC FLASH
CMOS Battery	Lithium Battery (CR2450/620 mAh)
RTC	RV-8803-C7 ultra precise ±3 ppm
TPM	TPM 2.0 (SLB9670)

Interfaces

Power	1 x Phoenix 3-pin MC 1,5/ 3-STF-3,5 BK (screwable), PWR X11
USB	2 x USB Host 3.2 Gen 1 (Type A), X31, X32
Network	2 x 1 Gbit Ethernet (RJ45), ETH X21, ETH X22
LED	1 x Status LED (RGB-LED)
Operation in the interface area	1 x Reset Button 1 x Config Button

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PWR X11

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

Power Supply

Supply Voltage	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	3.5 A, time lag, non-exchangeable, Type: Littelfuse 045203.5

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

Mechanical & Environmental

Housing Front	Glass, Black Frame
Housing	Aluminium / Silver
Dimensions	208 x 145 x 54 [mm]
Cutout	196 x 134 [mm] rounded corners with radius 10 mm, see technical drawing
Weight	max. 1.4 kg
Cooling	Passive
Ambient Temperature	0 ~ 50 °C
Storage Temperature	-10 ~ 70 °C
Humidity	5 ~ 80% (non-condensing)
IP rating	IP65 (IP20 rear)
Certification	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.	
PA10017028	Touch Industrial PC Front Panel 7

Datasheet valid from device revision 0.

Disclaimer

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