

Touch Industrial PC VESA 12.1

Datasheet

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Panel

LCD Size	12.1 inch (30.7 cm)
Resolution	1280 x 800
Aspect Ratio	16 : 10
Technology	TFT
Colours	16.7 M
Backlight	LED
Backlight Life Time	50,000 h
Luminance*	400 cd/m ²
Contrast Ratio*	1000 : 1
Viewing Angle* (right/left/up/down)	88°/88°/88°/88°
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

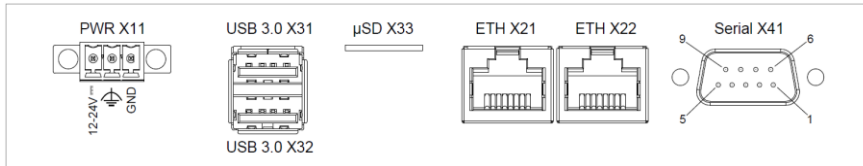
Interfaces

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 30 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

Housing Front	Glass, Black Frame
Housing	Aluminium / Silver
Dimensions	325 x 222 x 58 [mm]
Mounting	VESA MIS-D, 75 / VESA MIS-D, 100
Weight	max. 2.7 kg
Cooling	Passive
Ambient Temperature	0 ~ 50 °C
Storage Temperature	-10 ~ 70 °C
Humidity	5 ~ 80 % (non condensing)
Protection Class	IP65 (IP20 rear)
Certification	CE, EN55032 Class A, EN55035

Never cover the Touch Industrial PC VESA 12.1 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 VESA 12.1](#)

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Ordering Information

Ordering-No.	
PA10009655	Touch Industrial PC VESA 12.1

Datasheet valid from device revision 0

Disclaimer

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