

Touch Industrial PC Front Panel 15.6

Datasheet

- Panel
- System
- Interfaces
- Power Supply
- Mechanical & Environmental
- Ordering Information



Panel

LCD Size	15.6 inch (39.6 cm)
Resolution	1920 x 1080
Aspect Ratio	16 : 9
Technology	TFT
Colours	16.7 M
Backlight	LED
Backlight Life Time	50,000 h
Luminance*	450 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

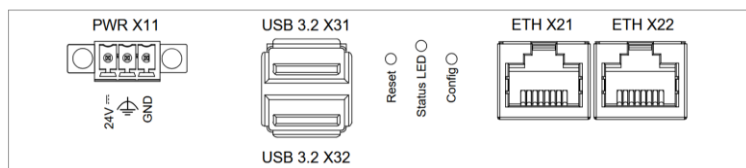
CPU	NXP® i.MX 8M Plus QuadCore 1.8 GHz
Graphic	3D: Vivante™ GC7000UL / 2D: Vivante™ GC520L
Memory	2 GB DDR4
Storage	16 GB eMMC FLASH
CMOS Battery	Lithium Battery (CR2450/620 mAh)
RTC	RV-8803-C7 ultra precise ±3 ppm
TPM	TPM 2.0 (SLB9670)

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

Touch Industrial PC Front Panel 15.6

Datasheet



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 35 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	409 x 256 x 59 [mm]
Cutout	397 x 245 [mm] rounded corners with radius 10 mm, see technical drawing
Weight	max. 3.8 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 Front Panel 15.6 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 15.6"](#)

Touch Industrial PC Front Panel 15.6

Datasheet

Ordering Information

Ordering-No.	
PA10017021	Touch Industrial PC Front Panel 15.6

Datasheet valid from device revision 0.

Disclaimer

Christ Electronic Systems GmbH reserves the right to change the information, designs and technical data contained in this documentation without prior notice, as the products are subject to constant further development. No guarantee is given that the data is complete, up-to-date and correct. In this document, all brand names as well as software and hardware designations used are subject to the respective companies, general trademark, brand or patent protection.

Contact

Christ Electronic Systems GmbH
Alpenstraße 34
87700 Memmingen

Phone:
+49 8331 8371-0 (Main Office)
+49 8331 8371-500 (Service)

Mail:
info@christ-es.de

Homepage:
<https://www.christ-es.com>

© Christ Electronic Systems GmbH