

Touch Industrial PC VESA 18.5

Datasheet

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Panel

LCD Size	18.5 inch (47.0 cm)
Resolution	1920 x 1080
Aspect Ratio	16 : 9
Technology	TFT
Colours	16.7 M
Backlight	LED
Backlight Life Time	50,000 h
Luminance*	500 cd/m ²
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

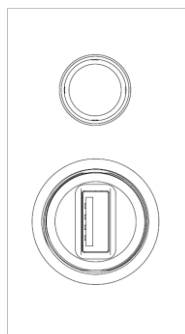
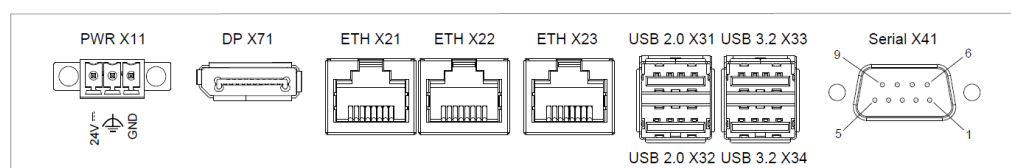
CPU	Intel® Core™ i5-1145G7E 1.5/4.1 GHz
Graphic	Intel® Iris® Xe
Memory	8 GB DDR4
Storage	128 GB 3D TLC SSD
BIOS	AMI Optio 5 BIOS
Wake on LAN	Yes
H/W Status Monitoring	Supports Power Supply Voltage and Temperature Monitoring
CMOS Battery	Lithium Battery (CR2450/610 mAh)
RTC	Internal RTC
TPM	TPM 2.0 (SLB9670)
Watchdog	Yes
RAID	No

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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), X33, X34 2 x USB Host 2.0 (Type A), X31, X32 1 x USB Host 2.0 (Type A), side
Network	3 x 2.5 Gbit Ethernet (RJ45), ETH X21, ETH X22, ETH X23
Serial	1 x RS-232 / RS-485 / RS-422 (Sub-D) (BIOS setting), Serial X41
Video	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	DCD	TX-	Data-
2	RX	TX+	Data+
3	TX	RX+	--
4	DTR	RX-	--
5	Ground	Ground	Ground
6	DSR	--	--
7	RTS	--	--
8	CTS	--	--
9	RI	--	--

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Power Supply

Supply Voltage	24 VDC $\pm$ 20 %
Power Consumption (max*)	up to 80 W
Power Button	Yes (left side)
Power Connector	Phoenix 3-pin MC 1,5/ 3-STF-3,5 BK (screwable), PWR X11
Fuse	6 A, time lag, non-exchangeable

*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 / black
Dimensions	477 x 293 x 64 [mm]
Mounting	VESA MIS-D, 75 / VESA MIS-D, 100
Weight	Without IP cover: max. 4.7 kg With IP cover: additional 0.5 kg
Cooling	Passive
Ambient Temperature	0 ~ 50 °C
Storage Temperature	-10 ~ 70 °C
Humidity	5 ~ 80 % (non condensing)
Protection Class	Without IP cover: IP65 (IP20 rear) With IP cover: IP65
Certification	CE, EN55032 Class A, EN55035

Never cover the Touch Industrial PC VESA 18.5 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 VESA 18.5](#)

Find the assembly guide for the IP cover under the following link:

[IP cover assembly guide](#)

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Ordering Information

Ordering-No.	
PA10015422	Touch Industrial PC VESA 18.5
PA10015242	IP cover

Datasheet valid from device revision 0.

Disclaimer

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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>

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