

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

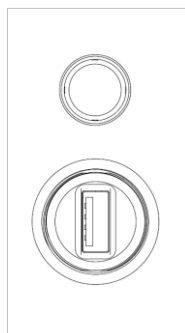
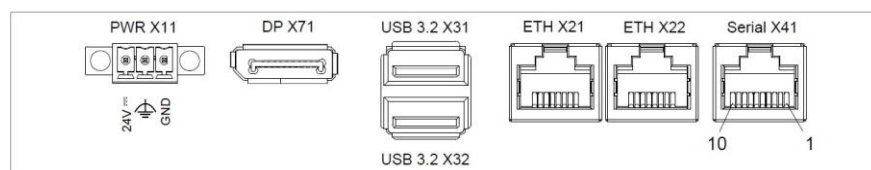
CPU	Intel® Atom® QC x6425E (2.0 GHz / 3.0 GHz)
Graphic	Intel® UHD Graphics 500 MHz
Memory	16 GB DDR4
Storage	512 GB 3D TLC SSD
BIOS	AMI Optio 5 BIOS
Wake on LAN	Yes (only on ETH X21 port)
H/W Status Monitoring	Supports Power Supply Voltage and Temperature Monitoring
CMOS Battery	Lithium Battery (CR2450/610 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), X31, X32 1 x USB Host 2.0 (Type A), side
Network	2 x 2.5 Gbit Ethernet (2 x RJ45), ETH X21, ETH X22
Serial	1 x RS-232 / RS-485 / RS-422 (RJ50) (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	DSR	--	--
2	Ground	Ground	Ground
3	Ground	Ground	Ground
4	TXD	RX+	--
5	RXD	TX+	DATA+
6	DCD	TX-	DATA-
7	DTR	RX-	--
8	CTS	--	--
9	RTS	--	--
10	RI	--	--

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Power Supply

Supply Voltage	24 VDC $\pm$ 20 %
Power Consumption (max*)	up to 65 W
Power Button	Yes (left side)
Power Connector	Phoenix 3-pin MC 1,5/ 3-STF-3,5 BK (screwable), PWR X11
Fuse	6.3 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	max. 4.7 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 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](#)

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Ordering Information

Ordering-No.	
PA10015562	Touch Industrial PC VESA 18.5

Datasheet valid from device revision 0.

Disclaimer

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