Touch-it XELO Automation glass 18,5

Datasheet

- **Made in Germany**
- **Multitouch**
- **Aluminium Silver Housing**
- **Ultra Compact Design, Fanless**
- **VESA 100**

PANEL

LCD Size	18.5 inch (47.0 cm)	
Resolution	1366 x 768	1920 x 1080
Aspect Ratio	16 : 9	
Technology	TFT	
Colours	16.7M	
Backlight	LED	
Backlight Life Time	50,000 h	
Luminance*	300 cd/m²	350 cd/m²
Contrast Ratio*	1000 : 1	
Viewing Angle* (right/left/up/down)	89°/89°/85°/85°	89°/89°/89°/89°
Touch	Projected Capacitive Touch, Anti-Glare, Multitouch (not supported in WS7E)	

*The values are referring to the displays only.

SYSTEM

CPU	AMD® GX-415GA Quad Core™ 1.5 GHz 64 Bit, 2 MB Cache	Intel® Core™ i5-5350U Dual Core 1.8 GHz 64 Bit, 3 MB Cache
Chipset	Integrated in APU	Integrated in Intel® 5th Gen. Core™ i U-series
Graphic	Radeon HD 8330E 500 MHz	Intel® HD Graphics 6000 300 MHz
Memory	4 GB DDR3L / 8 GB DDR3L / 16 GB DDR3L (i5 only)	
Storage	32 / 64 / 128 / 256 / 512 GB MLC SSD / up to 1 TB HDD	
BIOS	AMI BIOS, Supports ACPI Function	
Wake on LAN	Yes	
H/W Status Monitoring	Supports Power Supply Voltages and Temperature Monitoring	
CMOS Battery	Lithium Battery	
Operating System	Windows® Embedded Standard 7 (WS7P) Windows® Embedded Standard 7 (WS7E) Windows® Embedded 8 Standard Windows® 10 IoT Linux	

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STANDARD INTERFACES

USB	2 x USB Host 3.0 (Type A)
Ethernet	2 x 1 Gbit Ethernet
Communication	1 x RS-232 / RS-485 (BIOS setting)
Video	1 x DVI-I
Extension	1 x Emergency Stop
Extension Connector	Phoenix DMC 1,5/19-G1F-3,5-LR P20THR

OPTIONAL INTERFACES

USB	4 x USB Host 2.0 (Type A, max. Total Current 0.5 A)
	1 x USB Host 2.0 (Front, Type A)
WLAN	1 x 802.11 ac/a/b/g/n (2.4 GHz, 5 GHz)
EtherCAT	1 x EtherCAT® Slave (Buttons / Switches / LEDs)
Extension	8 x Individual Selectable Buttons / Switches / LEDs

POWER SUPPLY

Supply Voltage	24 VDC ± 20%	
Power Consumption (nom/max*)	AMD® Quad Core: 20 W / 33 W	Intel® Core™ i5: 25 W / 48 W
Power Button	No	
Power Connector	Phoenix 3-pol MC 1,5/ 3-STF-3,5 BK (screwable) / Phoenix 3-pol MC 1,5/ 3-ST-3,5 BK	

*max. periphery consumption included (e.g. 1xUSB 2.0 equals 2.5W)
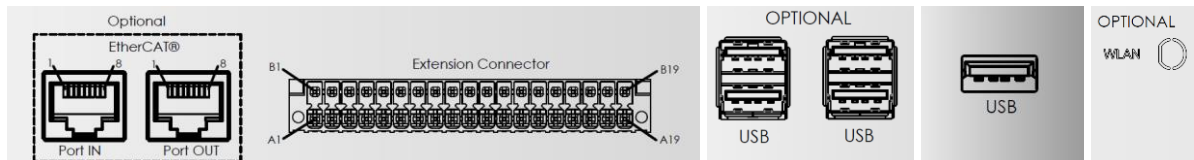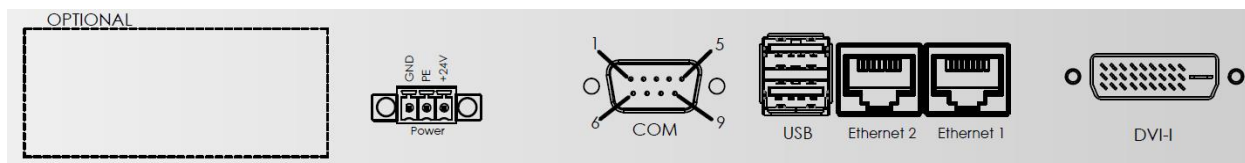
INTERFACES

EtherCAT I/O Mapping

Output	Output Byte 1 [0…5]
	Pushbutton T1…T8 (LED)
Input	Input Byte 1 [0…5]
	Pushbutton T1…T8 (A2)

Extension Connector Pinning

Extension Connector (Phoenix DMC 1,5/19-G1F-3,5-LR P20THR)							
PIN	**Signal Name**	**PIN**	**Signal Name**	**PIN**	**Signal Name**	**PIN**	**Signal Name**
A1	NOT A1	A6	T2 B1 (floating)	A11	T4 A2 (24 V)	A16	T7 A1 (24 V)
B1	NOT A2	B6	T2 B2 (floating)	B11	T4 LED (24 V)	B16	T7 LED (24 V)
A2	NOT B1	A7	T2 A2 (24 V)	A12	T5 B1 (floating)	A17	T8 A1 (24 V)
B2	NOT B2	B7	T2 LED (24 V)	B12	T5 B2 (floating)	B17	T8 LED (24 V)
A3	NOT C1	A8	T3 B1 (floating)	A13	T5 A2 (24 V)	A18	GND
B3	NOT C2	B8	T3 B2 (floating)	B13	T5 LED (24 V)	B18	24Vdc
A4	T1 B1 (floating)	A9	T3 A2 (24 V)	A14	T6 B1 (floating)	A19	GND
B4	T1 B2 (floating)	B9	T3 LED (24 V)	B14	T6 B2 (floating)	B19	24Vdc
A5	T1 A2 (24 V)	A10	T4 B1(floating)	A15	T6 A2 (24 V)	--	--
B5	T1 LED (24 V)	B10	T4 B2 (floating)	B15	T6 LED (24 V)	--	--

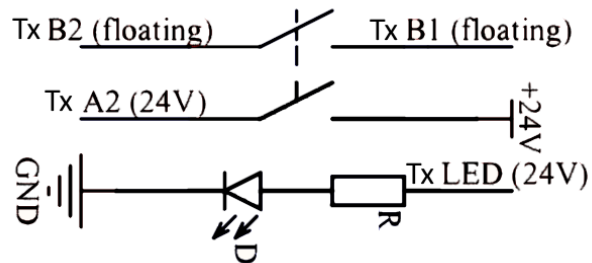**The Extension Connector must be connected with 24Vdc and GND separately!**

COM Connector Pinning

PIN	Signal Name COM	
	RS-232	**RS-485**
1	DCD	DATA-
2	RX	DATA+
3	TX	NC
4	DTR	NC
5	Ground	Ground
6	DSR	NC
7	RTS	NC
8	CTS	NC
9	RI	NC

PUSHBUTTON

EMERGENCY STOP
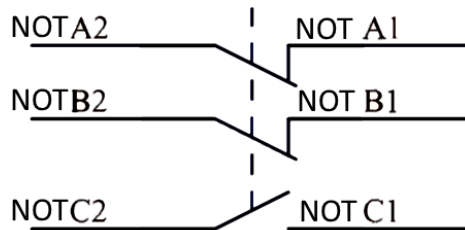
MECHANICAL & ENVIRONMENTAL

Housing Front	Glass, Black Frame
Housing	Aluminium / Silver
Dimensions	468.6 mm x 359.0 mm x 83.1 mm
Mounting	VESA MIS-D, 100
Weight	6.4 kg
Cooling	Passive
Operating Temperature	0 ~ 50 °C
Storage Temperature	-10 ~ 70 °C
Humidity	5 ~ 80% (non condensing)
Protection Class	IP65
Certification	CE, EN55032 Class A, EN55024

DIMENSIONS
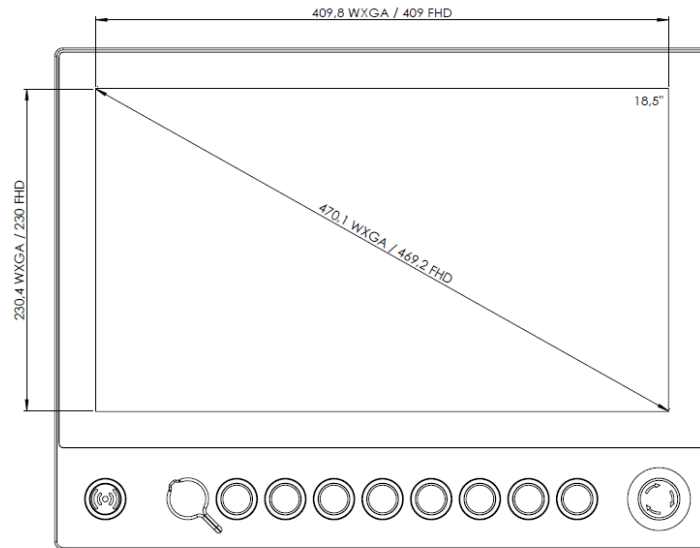
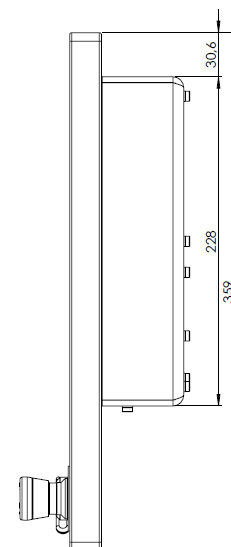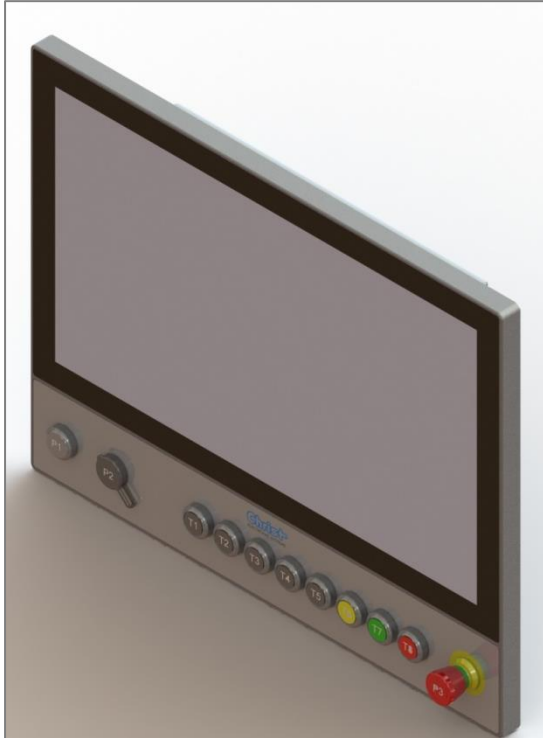
Front View
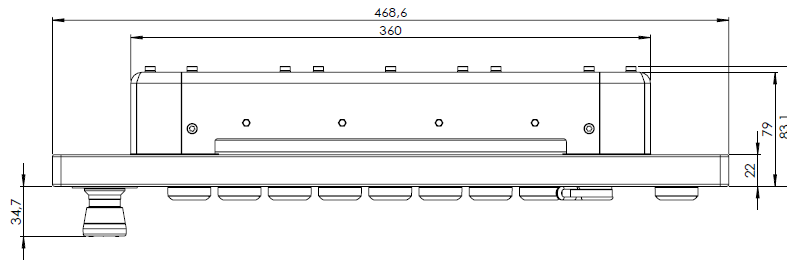
Buttom View
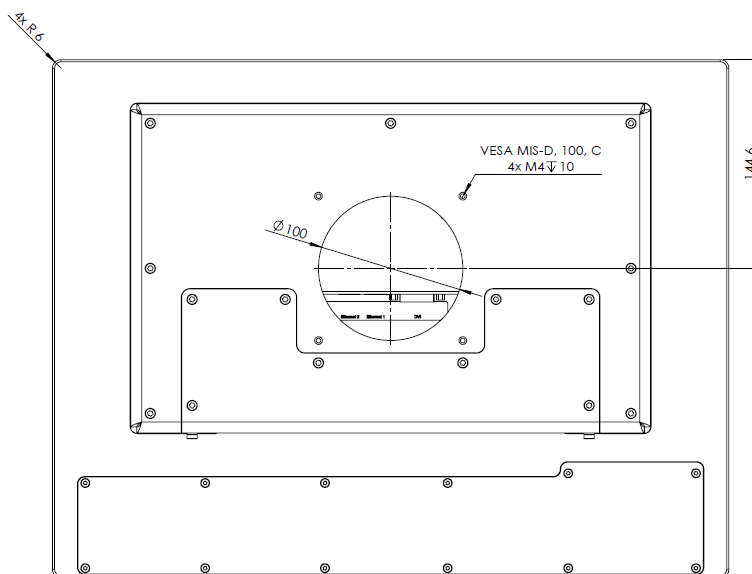
Back View

Side View

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SPECIFICATION AUTOMATION GLASS

The product series Automation glass can be offered in variant XELO, Monitor and SMART Monitor.

Free decision in design, colour, description and piece number of control elements. Contol elements are part of model range RAFIX 22 FS / FS+. They can be add on afterwards.

At the left side a RFID reader and a protected USB port are available.

Only Emergency Stop Button is offered standardly.

An integrated logo is possible if requested.

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ORDERING INFORMATION

Art. No.:	Display		CPU		RAM			Storage					
	1366 x 768	1920 x 1080	AMD Quad-Core	Intel i5 5th Gen.	4 GB	8 GB	16 GB (i5 only)	32 GB SSD	64 GB SSD	128 GB SSD	256 GB SSD	512 GB SSD	500 GB HDD
E741817	☒	☐	☒	☐	☒	☐	☐	☒	☐	☐	☐	☐	☐

Art. No.:	Optional Interfaces			Button Position T *								Position P		
				T1	T2	T3	T4	T5	T6	T7	T8	P1	P2	P3
	4 x USB	WLAN	EtherCAT®									RFID	USB 2.0	Emergency Stop
E741817	☒	☐	☐	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒

* No description from T1 to T8 means push buttons are used

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MANUFACTURER OF INDUSTRIAL ELECTRONICS

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