

All-in-One HMI 15" IPS Touch WBGcMT3152X



- Aluminum housing
- 15" IPS LCD graphic display with 1024 x 768 pixels
- Fanless cooling system
- Integrated 4 GB flash memory and RTC
- SD slot for SD/SDHC cards
- COM1 / COM3 RS485 2-wire supports MPI 187.5 K
- CAN bus/CANopen interface
- COM1 / COM3 RS485 & CAN bus with integrated galvanic isolation
- MQTT Client/Server
- OPC UA client/server
- IP65 on the front, NEMA4 compliant
- EasyAccess 2.0 license optional
- CODESYS V3 PLC optional

<https://www.wachendorff-prozesstechnik.de/en/WBGcMT3152X>

Description

The WBGcMT3162X Smart HMI from Weintek with its quad-core processor enables high performance in the visualization of data. It is also possible to monitor and control the WBGcMT3152X via the cMT Viewer APP on a panel PC (WBGcMTiPC10/15) or a display (WBGcMTiV6).

The IIoT standard protocols OPC UA and MQTT enable communication between your machines / systems up to the higher-level control / management systems. This ensures simultaneous monitoring and control of the transmission data. This HMI can optionally be equipped with a soft PLC.

Product details

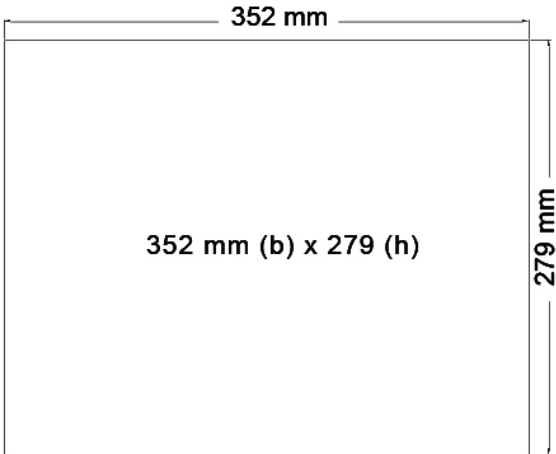
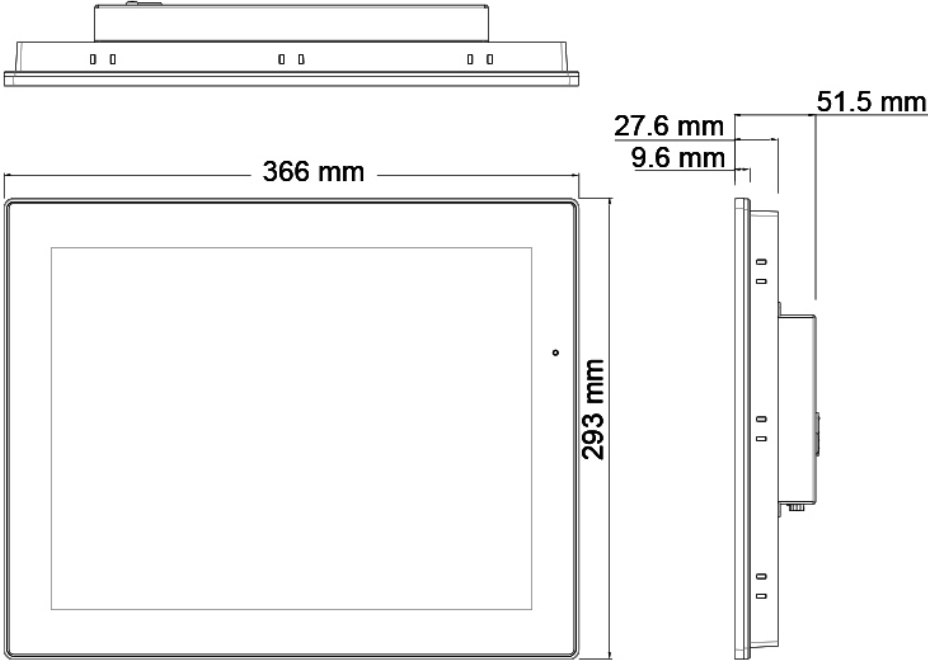
Display:	Size: 15" IPS Resolution: 1024 x 768 pixels Brightness: 400 cd/m ² Contrast: 1000 : 1 Backlight: LED Backlight life: >50,000 hours Colors: 16.2 M LCD viewing angle (up/down/left/right): 89/89/89/89
Touch display:	capacitive touch
Memory:	Flash: 4 GB RAM: 1 GB
Processor:	32-bit RISC Cortex-A17 1.6 GHz quad-core

Interfaces:	SD card slot: SD/SDHC USB host: 1x USB 2.0 Ethernet: LAN1: 10/100/1000 Base-T x2 LAN2: 10/100 Base-T x2 COM Port: Con A: COM2 RS485 2-/4-wire, COM3 RS485 2-wire, CAN bus Con B: COM1/COM3 RS232 (only use Tx & RX (not RTS/CTS) for COM1 RS232 if COM3 RS232 is used at the same time) RS485 isolation: Yes CAN Bus: YES HDMI: No Audio Output: Built-in mono speaker and audio line out via 3.5 mm jack plug Video Input: No
Real-time clock:	Integrated real-time clock RTC
Power supply:	Input voltage: 24 VDC ±20 % Galvanic isolation (input voltage from system voltage): integrated Current consumption: 1.3 A at 24 VDC Dielectric strength: 500 VAC (1 min.) Insulation resistance: >50 MOhm at 500 VDC Shock resistance: 10 Hz to 25 Hz (X,Y, Z direction 2 G 30 minutes)
Printed circuit board coating:	Yes, PCB
Housing:	Aluminum with plastic front
Dimensions:	L/H/D: 366 mm x 293 mm x 51.5 mm Panel cut-out: 352 mm x 279 mm
Weight:	approx. 2.75 kg
Fastening:	Panel mounting, VESA 75 mm x 75 mm
Protection class:	NEMA4 / front IP66
Ambient temperature:	Operation: 0 °C to +50 °C. Storage: -20 °C to +60 °C. Relative humidity: 10 % to 90 % (non-condensing)
Certificates:	cULus Listed CE marked
Software:	EasyBuilder Pro from V6.4

Manufacturer: Weintek Labs, Inc

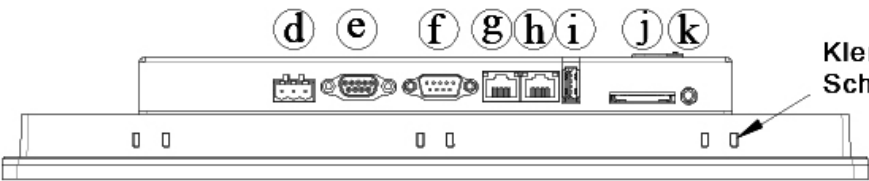
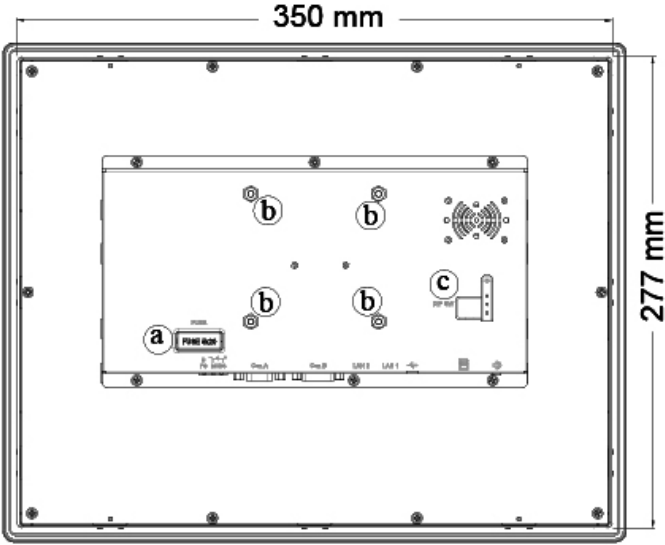
Drawings

Dimensions



Ausschnitt

Drawings
Connections



Klemmschlitze für
Schalttafelmontage, 12 x

a	Fuse	g	LAN 2
b	VESA 75mm Screw Holes	h	LAN 1
c	DIP SW	i	USB Host port
d	Power Connector	j	SD Card Slot
e	COM1 RS-485, COM3 RS-485, CAN Bus (Con.A)	k	Line Out
f	COM1 RS-232, COM3 RS-232 (Con.B)		

Drawings

PIN assignment

Pin Assignment:

Con. B: COM1 / COM3 [RS232] 9 Pin, Male, D-sub

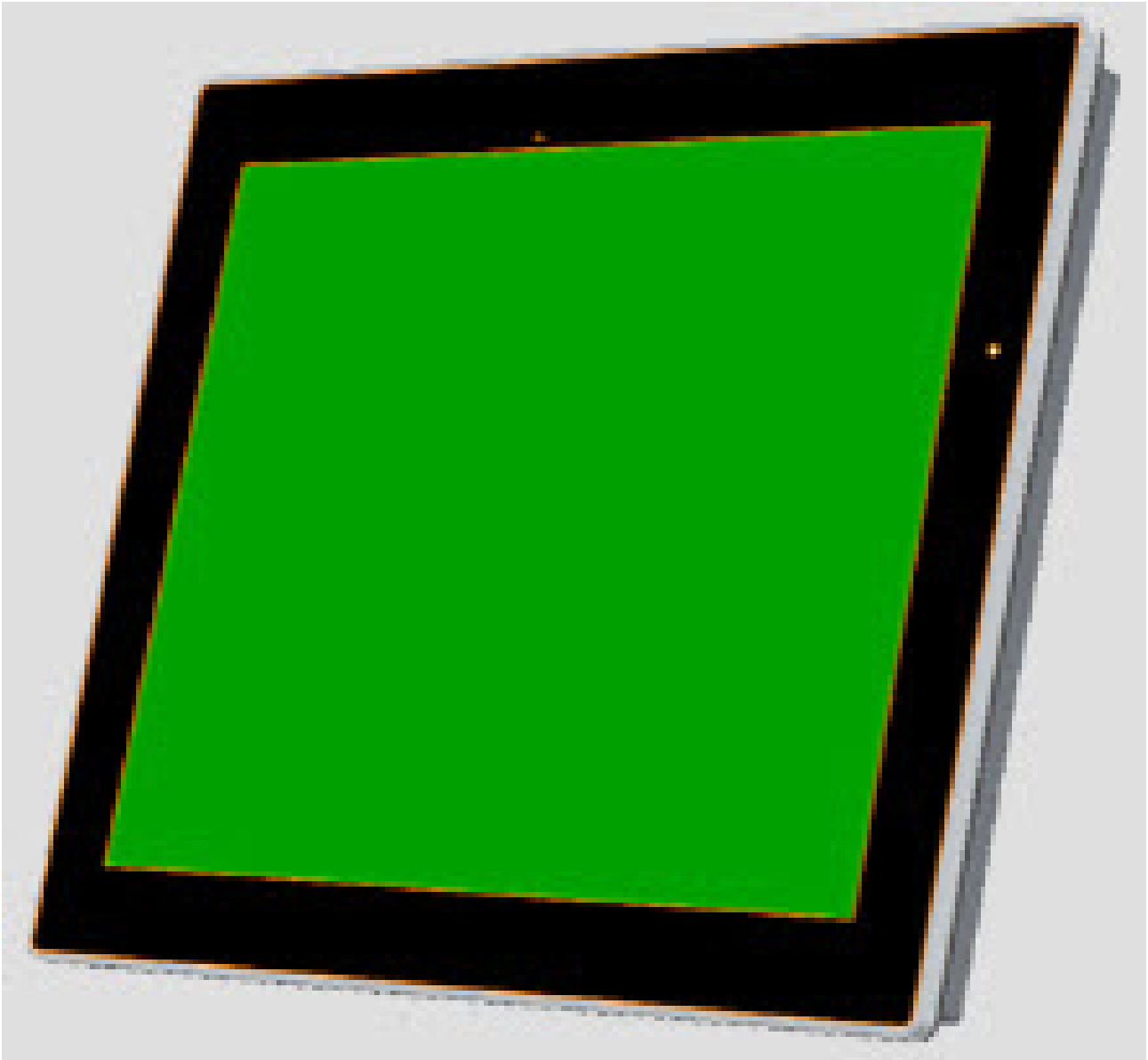
PIN#	COM1 [RS232]4W	COM3 [RS232]2W
1		
2	RxD	
3	TxD	
4		
5	GND	
6		
7	RTS	TxD
8	CTS	RxD
9	GND	

Con. A: COM1 / COM3 [RS485]/ CAN Bus 9 Pin, Female, D-sub

PIN#	COM1 [RS485]2W	COM1 [RS485]4W	COM3 [RS485]2W	CAN Bus
1	Data-	Rx-		
2	Data+	Rx+		
3		Tx-		
4		Tx+		
5	GND (isolation)			
6			Data-	
7				CAN_L
8				CAN_H
9			Data+	

Drawings

Step file



Step file as .rar

cMT3152X.rar



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