

## All-in-One HMI 15.6" FHD IPS Touch cMT3161X



- Aluminum housing
- 15.6" Full-HD IPS LCD with 1920 x 1080 pixels and haptic feedback
- Fanless cooling system
- Integrated 4 GB flash memory and RTC
- COM1 RS485 2/4-wire supports MPI 187.5 K
- COM1 / COM3 RS485
- LAN 10/100 Base-T
- MQTT client/server
- OPC UA client
- IP66 on the front, NEMA4 compliant
- EasyAccess 2.0 license optional

<https://www.wachendorff-prozesstechnik.de/en/cMT3161X>

### Description

The Smart HMI cMT3161X from Weintek with its quad-core processor enables high performance in the visualization of data. It is also possible to monitor and control the cMT3161X via the cMT Viewer APP on a panel PC (cMTiPC10/15) or a display (cMTiV6).

The IIoT standard protocols OPC UA (client) 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.

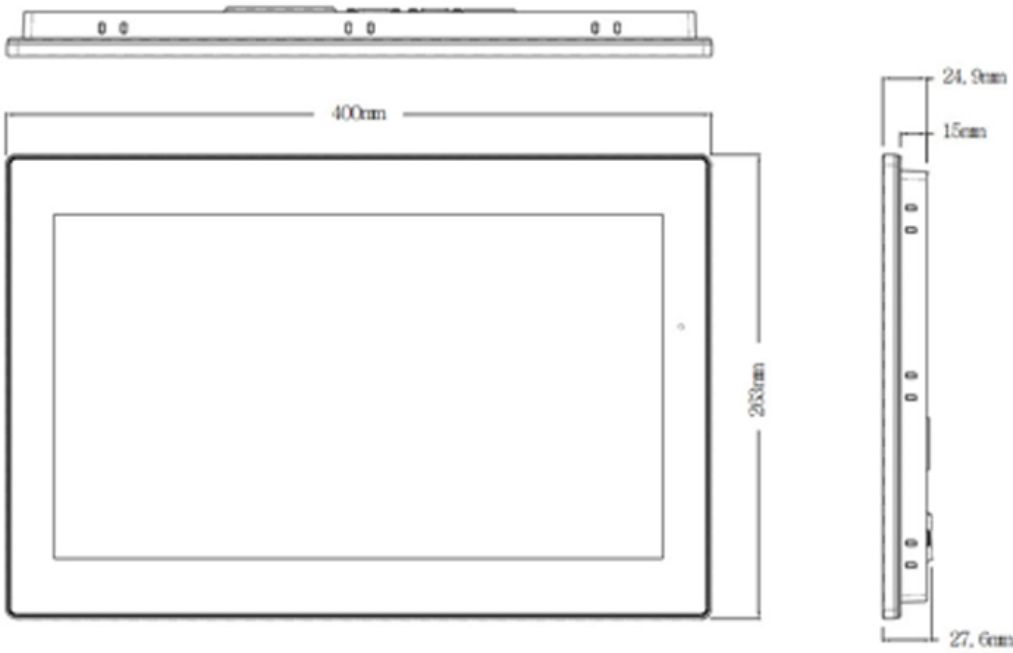
### Product details

Display:	Size: 15.6" IPS Resolution: 1920 x 1080 pixels Brightness: 300 cd/m <sup>2</sup> Contrast: 800 : 1 Backlight: LED Backlight life: >30,000 hours Colors: 16.2 M LCD viewing angle (up/down/left/right): 89/89/89/89
Touch display:	Capacitive touch (supports multi-touch)
Memory:	Flash: 4 GB RAM: 1 GB
Processor:	32-bit RISC Cortex-A17 1.6 GHz quad-core
Interfaces:	USB host: 1x USB 2.0 Ethernet: LAN 10/100 Base-T COM Port: Con A: COM1 RS485 2-/4-wire; COM3 RS485 2-wire, Con B: COM1 RS232 4-wire; COM3 RS232 2-wire (only use Tx & RX (not RTS/CTS) for COM1 RS232 if COM3 RS232 is used at the same time) Audio Output: Built-in mono speaker 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: 400 mm x 263 mm x 27.6 mm Panel cut-out: 384 mm x 247 mm
Weight:	approx. 1.6 kg
Fastening:	Panel mounting, VESA 100 mm x 100 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:	CE marked
Software:	EasyBuilder Pro from V6.4 EasyAccess 2.0 license optional
Manufacturer:	Weintek Labs, Inc

**Drawings**

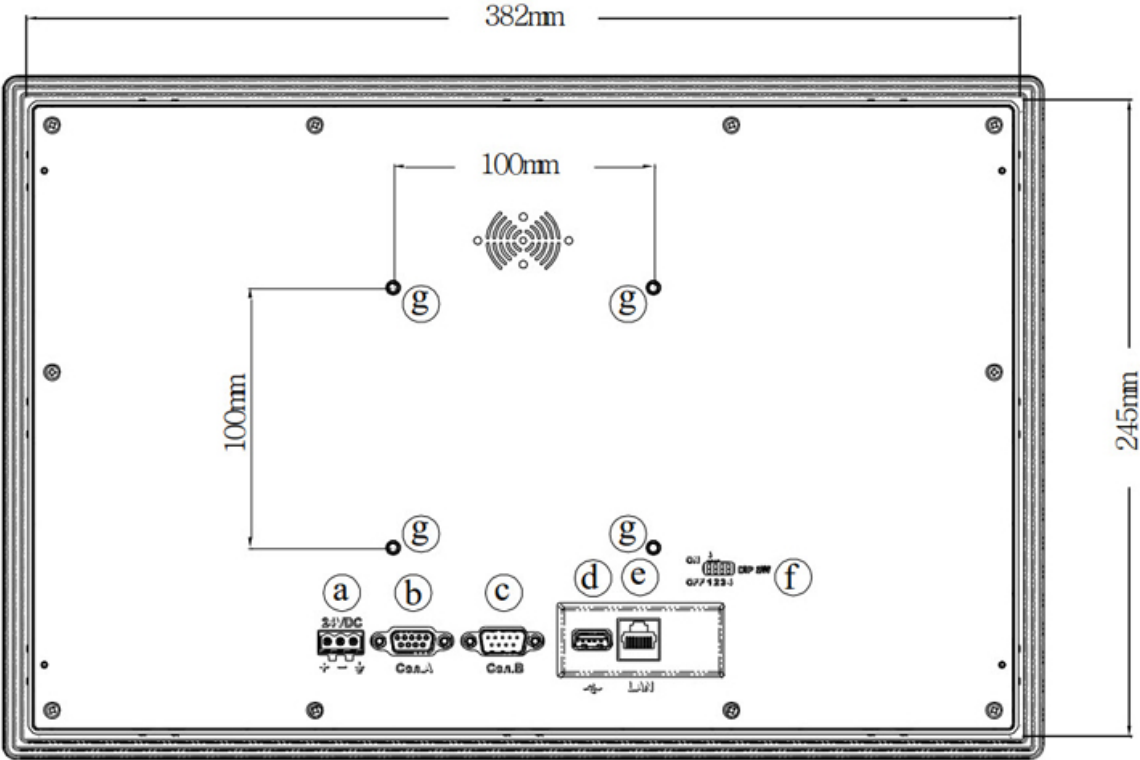
**Dimensions**



**Ausschnitt**

Drawings

Connections



<b>a</b>	Power Connector	<b>e</b>	LAN
<b>b</b>	COM1 RS-485, COM3 RS-485, (Con.A)	<b>f</b>	DIP SW
<b>c</b>	COM1 RS-232, COM3 RS-232 (Con.B)	<b>g</b>	VESA 100mm Screw Holes
<b>d</b>	USB Host	<b>h</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] / 9 Pin, Female, D-sub**

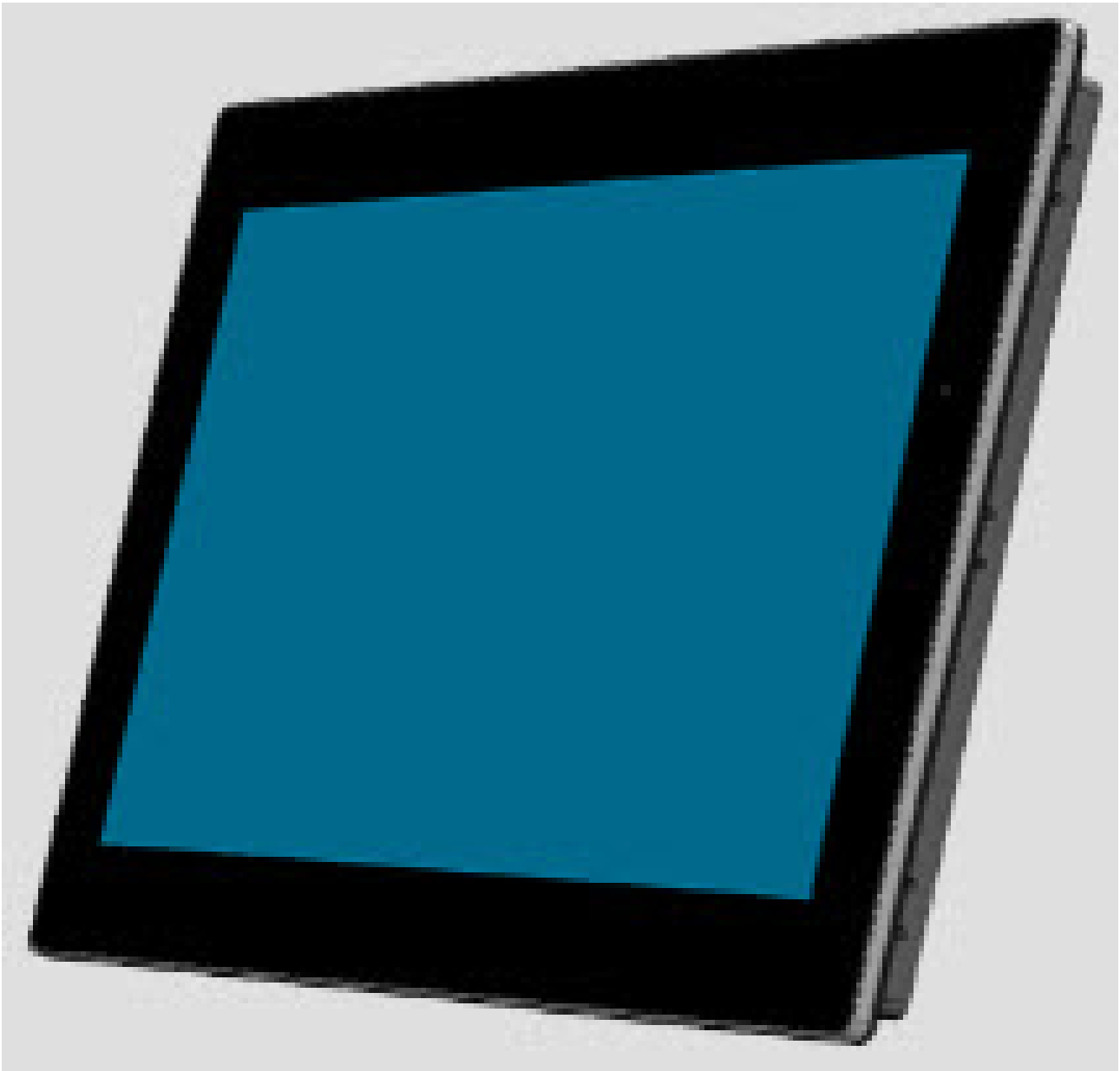
PIN#	COM1 [RS485]2W	COM1 [RS485]4W	COM3 [RS485]2W
1	Data-	Rx-	
2	Data+	Rx+	
3		Tx-	
4		Tx+	
5	GND		
6			Data-
7			
8			
9			Data+

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Drawings

Step file

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Step file as .rar

cMT3161X.rar

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