Standard HMI 15.6" FHD IPS Touch
cMT2166X

- 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/cMT2166X

Description

The standard HMI cMT2166X from Weintek with its quad-core processor enables high performance in the visualization of data. It is also possible to monitor and control the cMT2166X 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/m² 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 MPI is supported
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: 0.9A 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 V6.06.02 EasyAccess 2.0 license optional
Customs tariff number:	85371098
Manufacturer:	Weintek Labs, Inc

Products Order no.

cMT2166x	Standard HMI 15.6" 1920 x 1080, 1x Ethernet, 2x serial

Accessories Order no.

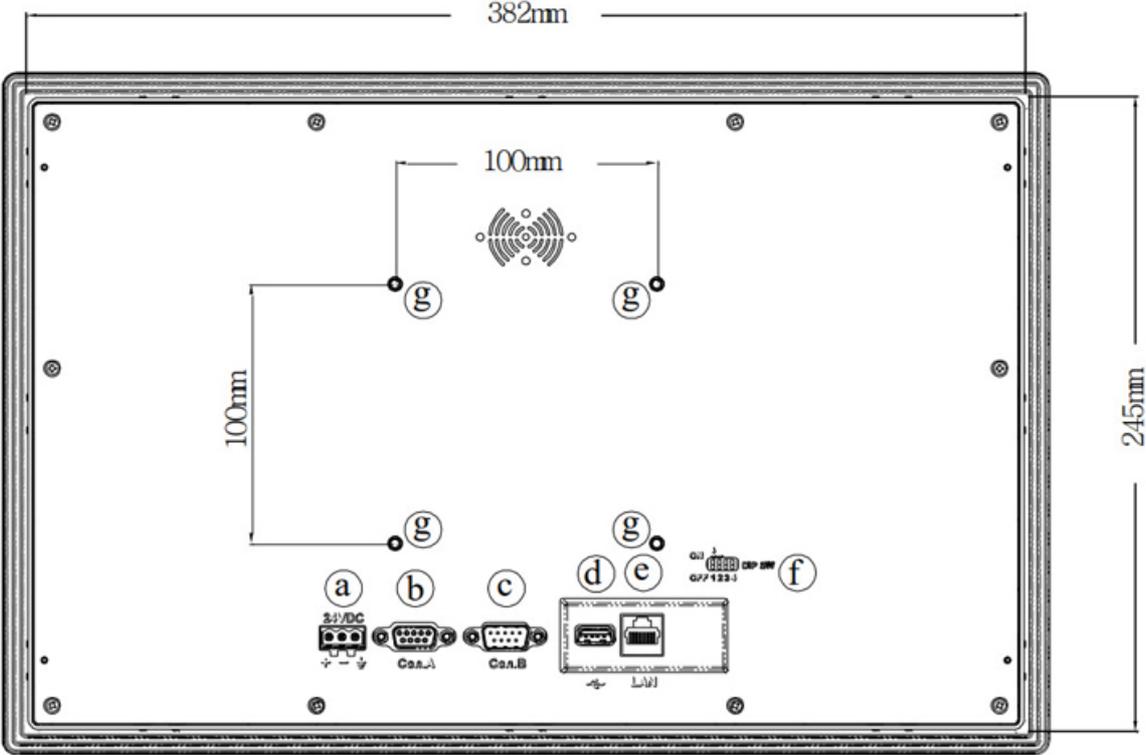|	
DRS4-24A	Power supply unit for top-hat rail, 85 to 264 VAC, 24 VDC 4.2 A, screw terminal
KABETH12	Patch cable, RJ45 UTP CCA, CAT5e white, 2 m

Drawings

Dimensions

400mm

263mm

24,9mm

15mm

27,6mm

384mm

247mm

B x H (mm): 384 x 247

Ausschnitt

Drawings

Connections

a	Power Connector	e	LAN
b	COM1 RS-485, COM3 RS-485, (Con.A)	f	DIP SW
c	COM1 RS-232, COM3 RS-232 (Con.B)	g	VESA 100mm Screw Holes
d	USB Host	h	

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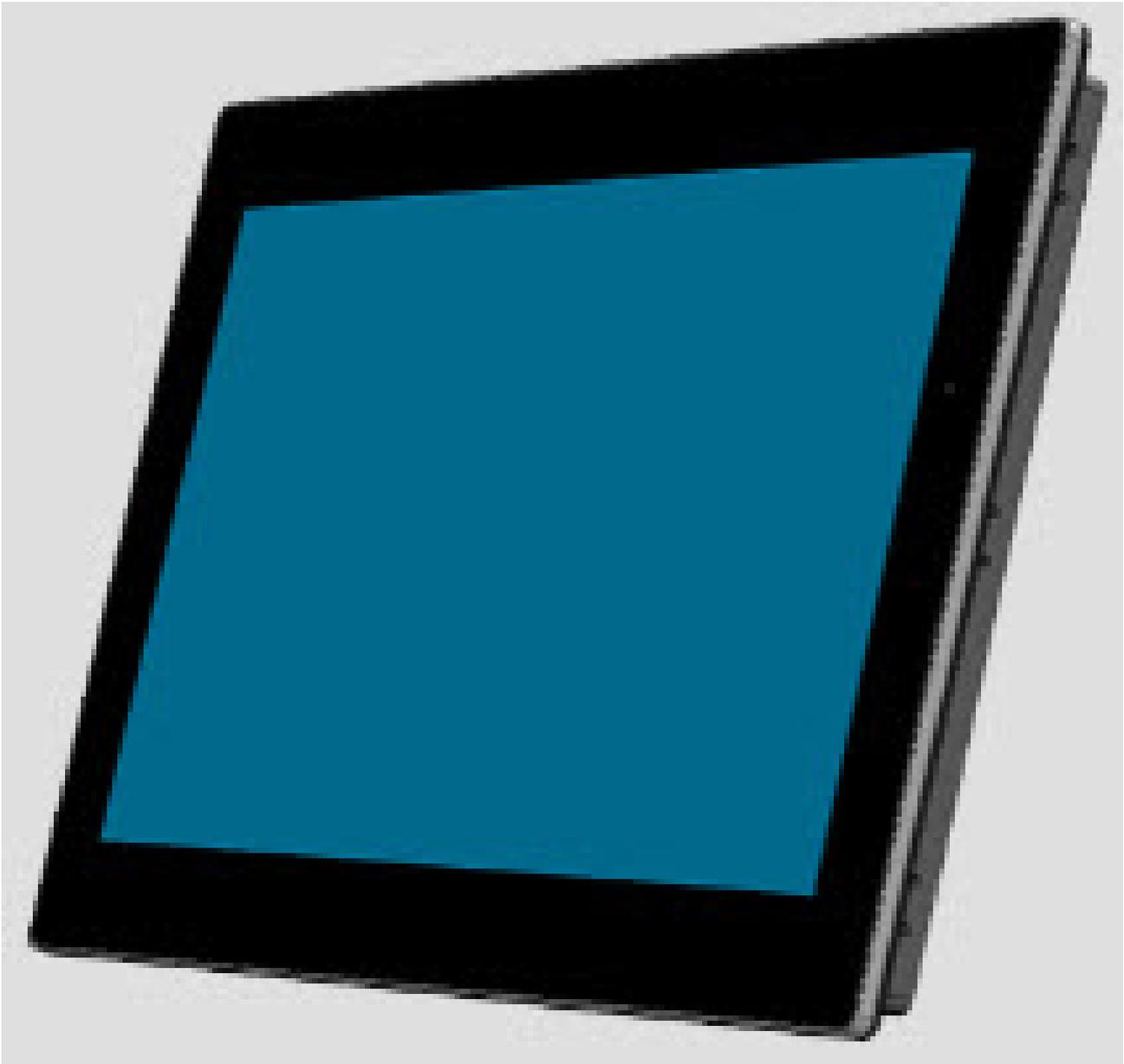
Con. B: COM1 / COM3 [RS232] 9 Pin, Male, D-sub

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+

Step file as .rar

cMT3161X.rar