**Terminals and panels
TOUCH51/MT
Display unit**

SofCon®
AUTOMATIZAČNÍ TECHNIKA

6.17.01

- 10,4" colour TFT LCD display, resolution 800x600

- Standard VGA interface, analog D-Sub15

- Analog resistive touch screen

- Front-panel protection IP 65

- Rack mounting

Basic characteristic

TOUCH51/MT is a 10,4" display unit with touch screen and RS232 interface. TOUCH51/MT is designed for industrial control system automation and visualisation and can be connected to any processor unit with VGA analog output (resolution 800x6000 and max refresh rate 75Hz. The display unit requires 12VDC power supply and one serial port for communication between processor unit and touch screen controller. It is essential to touch the screen with fingers, as the top layout of the screen can be damaged while using sharp or hard items.

TOUCH51/MT can be built-in into a device or into a rack. The front side of the panel with touch screen meets the protection IP65. The panel is mounted with 8 mounting clips into a rectangular hole of specified size.

For the touch panel operation is necessary to install into the processor unit a special driver, which is supplied for operating system Windows 98 or higher. The touched point is analysed and displayed on LCD display as a cursor with synchronous press of the button (this is defined in the SW driver setting).
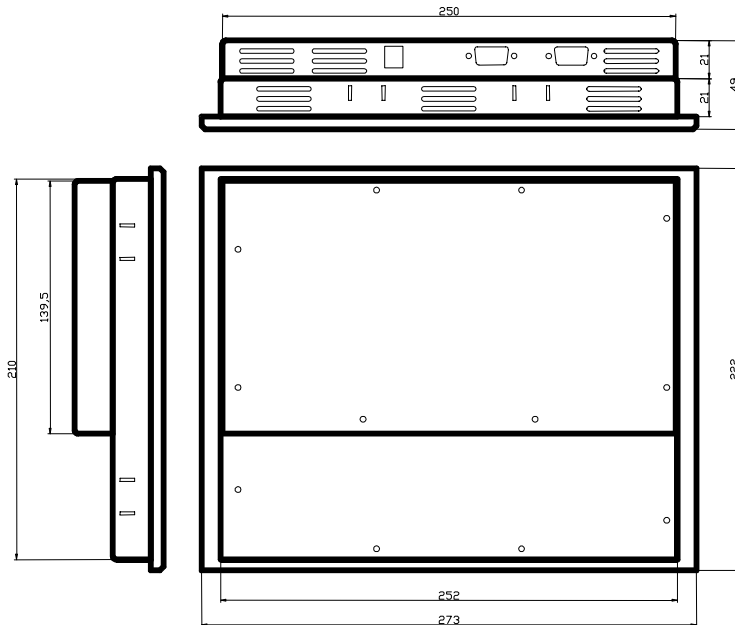
Technical data

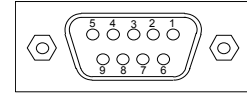|					
Power supply	12V DC / 1A		Protection	IP 65 front side	
				IP 20 back side	
RS232 interface	Signal rate	9600 Bd	Environment	Non air-conditioned,	
	Parity	even		without aggressive	
	Nr of stop bits	1		gasses and steam	
	Nr ofdata bits	8			
VGA interface	Standard - D-Sub 15 pin		Atmospheric pressure	80 - 107 kPa	
Display resolution	800 x 600		Relative humidity	40 - 85 %	
Framing signal frequency	max. 75 Hz		Ambient temperature	0 - +50°C	
Backlight	2 x CCFL				
Lamp lifetime	50 000 hours				
Light intensity	350 cd/m^2		Weight	2,2 kg	
Contrast	350 : 1		Dimensions W x H x D	273 x 222 x 49 mm	
Observation angle	Horizontal 120°				
	Vertical 100°				
			Operating	Continuous	
Touch screen	Analog resistance technology		Mounting	Into a panel	
Durability	1 000 000 presses at a single point				
Surface hardness	Higher than 4H				
Resistance	To drinks, oils, detergents, dissolvent etc.				

Order data

TOUCH51/MT is standardly supplied with VGA and RS232 link cables - length 1.5m. If requested, 230VAC/12VDC adapter and longer link cables can be supplied. If the processor unit does not have any free COM port, USB-RS232 converter can be extra ordered.

Order example: TOUCH51/MT
12VDC adapter
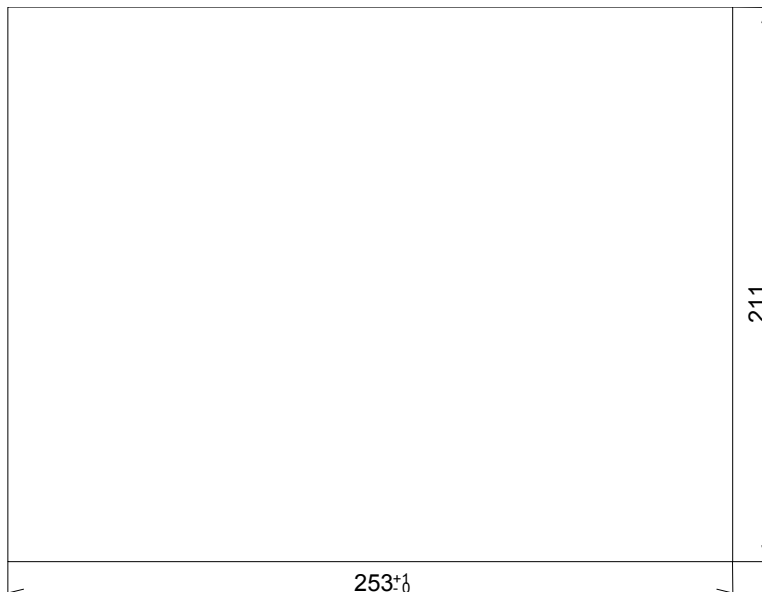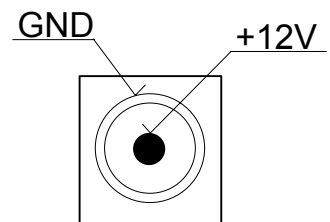USB - RS232 converter

Dimensions and connectors

Connector COM

1 - NC
2 - TxD
3 - RxD
4 - NC
5 - GND
6 - NC
7 - NC
8 - NC
9 - NC

Mounting hole dimensions

Supply connector

pin diameter 2,5 mm
sleeve diameter 6 mm
RS232