

Touch Operating Panel ETT 775



with 7" WVGA TFT color display

The build-in touch terminal is an intelligent panel for visualizing, operating and monitoring automated processes. A resistive touch screen serves as the input medium for process data and parameters. The output is shown on a 7" WVGA TFT color display. With a LASAL visualization tool, graphics can be created on the PC, then stored and displayed on the build-in touch terminal. The available interfaces can be used to exchange process data or configure the build-in touch terminal. A microSD card serves as the storage medium for the operating system, application and application data.

Performance Data

Processor	EDGE2-Technology
Processor core	1
Internal cache	32-kbyte L1 Instruction Cache 32-kbyte L1 Data Cache 512-kbyte L2 Cache
Internal program and data memory (DDR3 RAM)	256-MByte
Internal remnant data memory	256 kbyte SRAM (battery buffered)
Internal storage device	1-Gbyte microSD card
Internal I/O	no
Interfaces	1x USB 2.0 (Type A front) 1x USB device 1.1, Type Mini-B (back) 1x Ethernet 10/100 1x CAN bus 1x RS485 / Modbus 1x RS232 1x TTY for a max. of 6 participants
Internal interface connections and devices	1x TFT LCD color display 1x touch

Display Resolution	7" TFT color display 800 x 480 pixels
Control panel	4-wire touch screen (analog resistive)
Signal generator	no
Status LEDs	1x front LED bi-color RED / GREEN (controllable through the application)
Real-time clock	yes
Cooling	passive (fanless)

TTY Specifications

	Number of interfaces	1		
	Adjustable data transfer rate	2400 Baud, 4800 Baud, 9600 Baud		
	Over voltage protection	TTY	Pin 20 mA	70 V
	Voltage drop	Rx < 3 V	Tx < 2 V	
	Maximum number of TTY participants	depends on the voltage drop on the participants, cables and connectors (maximum of 6)		
	Short-circuit proof	yes		

Electrical Requirements

Supply voltage	typically +24 V DC	
	minimum +18 V DC	maximum +30 V DC
Current consumption of power supply at +24 V	typically 260 mA (without externally connected devices)	maximum 390 mA (with external devices connected)
Current consumption of standby voltage at +24 V	typically 160 mA (without externally connected devices)	maximum 265 mA (with external devices connected)
Inrush current	maximum 16.9 A for 50 µs	

Terminal

Dimensions	180 x 135 x 50 mm (W x H x D)
Material	front plate: 3 mm aluminum, natural
Weight	circa 591 g

Environmental Conditions		
Storage temperature	-10 ... +80 °C	
Environmental temperature	0 ... +60 °C	
Humidity	10-95 %, non-condensing	
Installation altitude above sea level	0-2000 m without derating, > 2000 m with derating of the maximum environmental temperature by 0.5 °C per 100 m	
EMC resistance	EN 61000-6-2 (industrial area)	
EMC noise generation	EN 61000-6-4 (industrial area)	
Vibration resistance	EN 60068-2-6	2-9 Hz: amplitude 3.5 mm 9-200 Hz: 1 g (10 m/s²)
Shock resistance	EN 60068-2-27	15 g (150 m/s²) duration 11 ms, 18 Shocks
Protection type	EN 60529 protection through housing	front: IP54 cover: IP20

7" WVGA Display incl. Touch		
Type	7" TFT LCD color display	
Resolution	WVGA 800 x 480 Pixel	
Color depth	16 Bit RGB (65K colors)	
LCD mode	normal white	
LCD Polarizer	transmissive	
Pixel size	0.1926 x 0.1790 mm	
Number of pixels	800*3 (RGB) x 480	
Active surface	154.08 x 85.92 mm	
Backlighting	LED	
Contrast	500:1	
Brightness	typically 280 cd/m²	
Visible field	left and right 70°, below 70°, above 50°	

Article Number and Miscellaneous		
Article number	01-230-775	
Standard	cULus (E247993)	
Approvals	CE	

Notes

