

Multi-touch Operating Panel TT 1533



with 15" XGA TFT color display

The TT 1533 is an intelligent terminal for programming and visualization of automated processes and designed for a carrier arm mount. Process diagnostics as well as operating and monitoring automated procedures are simplified using this terminal. A projective capacitive touch screen serves as the input medium for process data and parameters. The output is shown on a 15" XGA TFT color display.

The available interfaces can be used to exchange process data or configure the terminal. In the internal Flash memory, the operating system, application and application data are stored.

Performance Data

Processor	EDGE2 Technology
Processor cores	2
Internal cache	32-kbyte L1 Instruction Cache 32-kbyte L1 Data Cache 512-Kbyte L2 Cache
Internal program and data memory (DDR3 RAM)	512-Mbyte
Internal remnant data memory	512-kbyte MRAM
Internal storage device	512-Mbyte microSD
Internal I/O	no
Interfaces	4x USB 2.0, Type A 2x Ethernet 1x CAN bus not galvanically separated
Internal interface connections and devices	1x TFT LCD color display 1x USB (touch connection)
Display Resolution	15" TFT color display 1024 x 768 pixels
Control panel	Touch screen (projective capacitive)

Real-time clock	no
Cooling	passive (fanless)

Electrical Requirements

Supply voltage	typically +24 V DC	
	minimum +18 V DC	maximum +30 V DC
Supply voltage (UL)	18-30 V DC (Class 2, LVLC) in preparation	
Current consumption of power supply at +24 V	typically 500 mA (without externally connected devices)	maximum 1.2 A (with externally connected devices)
Inrush current	maximum 33 A for 25 µs	

Terminal

Dimensions	357.9 x 342.2 x 47.7 mm (W x H x D)
Material	Frame und front: aluminum/glass Backside: sheet steel
Weight	typically 5.1 kg

Environmental Conditions

Storage temperature	-10 ... +80 °C	
Environmental temperature	0 ... +50 °C	
Humidity	10-90 %, non-condensing	
EMC resistance	in accordance with EN 61000-6-2 (industrial area)	
EMC noise generation	in accordance with 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/s ²)
Shock resistance	EN 60068-2-27	15 g (150 m/s ²) duration 11 ms, 18 shocks
Protection type	Carrier arm mount with VESA75 whose connection also meets IP54	
	EN 60529 protected through the housing	front: IP54 rear panel: IP54

Display

Type	15" TFT color display
Resolution	XGA, 1024 x 768 pixels
Color depth	262K colors
LCD mode	normally black
LCD polarizer	transmissive
Pixel size	0.297 x 0.297 mm
Number of pixels	1024*3 (RGB) x 768
Active surface	304.1 x 228.1 mm
Backlighting	LED
Contrast	typically 1500:1
Brightness	typically 400 cd/m ²
Angle CR ≥ 10	left, right, below, above 85°
Life span	by compliance with the ambient conditions, the brightness of the display sinks after 50,000 operating hours to 50 % of the original brightness

Control Unit

Touch panel	Projective capacitive glass touch panel
Sensor type	Film glass

Article Number and Miscellaneous

Article number	01-270-1533
Operating system	Salamander
Standard	UL in preparation
Approbations	UL, cUL, CE

Notes

