

# Touch Operating Terminal ETT 1561



with 15" XGA TFT color display

The ETT 1561 is an intelligent terminal for programming and visualization of automated processes. Process diagnostics as well as operating and monitoring automated procedures are simplified using this terminal. A resistive touch screen serves as the input medium for process data and parameters. The output is shown on a 15" XGA TFT color display. With the LSE mask editor, graphics can be created on the PC, then stored and displayed on 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 SRAM (battery buffered)
Internal storage device	512-Mbyte microSD card
Interfaces	3x USB 2.0 Type A (front) 2x Ethernet 10/100 (RJ45) 1x CAN bus (6-pin Weidmüller) 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 (resistive touch)
Real-time clock	yes
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)	
Current consumption of power supply at +24 V	typically 700 mA (without externally connected devices)	maximum 1.2 A (with externally connected devices)
Inrush current	2 A (10 ms)	

## Terminal

Dimensions	358 x 313 x 62 mm (W x H x D)
Material	housing: ASA Plastic
Weight	typically 4.2 kg

## Display

Type	15" TFT color display
Resolution	XGA, 1024 x 768 pixels
Color depth	262K colors
LCD mode	normal white
LCD Polarizer	transmissive
Pixel size	0.297 x 0.297 mm
Active surface	304.1 x 228.1 mm
Touch panel	analog resistive glass touch panel
Backlighting	LED
Contrast	typically 700:1
Brightness	typically 400 cd/m²
Visible field	left, right 70, above 60° and below 55°

## Article Number and Miscellaneous

Article number	01-230-1561
Standard	UL 508 (E247993)
Approvals	UL, cUL, CE

## Environmental Conditions

Storage temperature	-10 ... +80 °C				
Environmental temperature	0 ... +45 °C				
Humidity	10-90 %, non-condensing				
EMC stability	in accordance with product standard EN 61131-2				
Vibration resistance	EN 60068-2-6		2-9 Hz: amplitude 3.5 mm 9-200 Hz: 1 g (10 m/s <sup>2</sup> )		
Shock resistance	EN 60068-2-27		15 g (150 m/s <sup>2</sup> ) duration 11 ms, 18 Shocks		
Protection type		Control cabinet mount with USB cover	Control cabinet mount without USB cover	Carrier arm mount with USB cover	Carrier arm mount without USB cover
	EN 60529	front: IP54 rear panel: IP20 With IP43 cable channel, if the cable outlet is located on the bottom	front: IP20 rear panel: IP20 With IP43 cable channel, if the cable outlet is located on the bottom	front: IP54 rear panel: IP20 With IP43 cable channel, if the cable outlet is located on the bottom	front: IP20 rear panel: IP20 With IP43 cable channel, if the cable outlet is located on the bottom
	NEMA 250 (UL50)	Type 12	Type 1	Type 1	Type 1

## Notes

