

# Touch Operating Panel ETT 1564

with 15.6" TFT color display

The ETT 1564 is an intelligent panel for visualizing, operating and monitoring automated processes. Process diagnostics is therewith simplified.

A projective capacitive touch screen serves as the input medium for process data and parameters. The output is shown on a 15.6" TFT color display.

The available interfaces can be used to exchange process data or configure the multitouch terminal.



## Performance Data

Processor	EDGE3 Technology
Processor cores	4
Internal program and data memory (RAM)	2-Gbyte (DDR4)
Internal remnant data memory	128-kByte FRAM
Internal storage device	8-Gbyte eMMC
Optional memory expansion	microSD
Graphic	integrated in EDGE processor
Interfaces	2x Ethernet (10/100/1000) 2x USB 2.0 Type A 1x USB 2.0 Type Mini-B OTG 1x microSD card holder (SD 3.0)
Internal interface connections and devices	no
Operating components	no

Signal generator	no
Display Resolution	15.6" TFT color display FullHD 1920 x 1080 pixels
Operating field	Touch screen (multi-touch, projective capacitive)
Status LEDs	yes (1x red/1x green)
Real-time clock	yes (battery buffered)
Cooling	passive

## Electrical Requirements

Supply voltage	+24 V DC ±20 % (SELV/PELV) UL: Class 2 of LVLC	
Protection class	III	
Current consumption of power supply at +24 V	typically 1 A (with no external devices connected)	maximum 1.5 A (with external devices connected)
Inrush current without currentlimiting supply	15 A for max. 40 µs	
Inrush current with 24 V/10 A fixed voltage supply	0.8 A for max. 500 ms	

## Terminal

Dimensions	398.5 x 248 x 42 mm (W x H x D)
Material	Housing: aluminium/steel chromated Color: black Front: glass 1.8 mm
Weight	2.25 kg

## Environmental Conditions

Storage temperature	-10 ... +70 °C	
Environmental temperature	0 ... +50 °C	
Humidity	10-95 %, non-condensing	
Installation altitude above sea level	0-2000 m without derating > 2000 m up to a maximum of 5000 m with derating of the maximum environmental temperature by 0.5 °C per 100 m	
Operating conditions	pollution degree 2	
Noise emissions	≤ 70 dB	
EMC resistance	EN 61000-6-2 (industrial area)	
EMC noise generation	EN 61000-6-4 (industrial area)	
Vibration resistance	EN 60068-2-6	3.5 mm from 5-8,4 Hz 1 g from 8.4-150 Hz
Shock resistance	EN 60068-2-27	15 g (147.15 m/s <sup>2</sup> )
Protection type	EN 60529/NEMA 250 protection through housing	front: IP65/Type4 cover: IP20/Type1

## Display

Type	15.6" TFT color display
Resolution	FullHD 1920 x 1080 pixels
Color depth	24-Bit RGB
LCD mode	normally black
LCD polarizer	transmissive
Pixel size	0.17925 x 0.17925 mm
Active range	344.16 x 193.59 mm
Backlighting	LED
Contrast	typically 1000:1
Brightness	typically 450 cd/m <sup>2</sup>
Visible field	left, right, top, bottom typically 89°
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.

## Article Number and Miscellaneous

Article number	01-230-1564
Operating system	Gecko
Standard	designed according to UL
Approvals	CE

## Notes

