

Build-in Touch Terminal ETT 1044



The ETT 1044 is an intelligent panel for visualizing, operating and monitoring automated processes.

A capacitive touch screen serves as the input medium for process data and parameters. The output is shown on a 10.1" TFT color display.

Via the high-performance processor, complex HTML5 applications can be displayed without problems.

The available interfaces can be used to exchange process data or configure the multi-touch terminal. An M.2 SSD serves as the storage medium for the operating system, application and application data.

Performance Data

Processor	Intel® Celeron® J4005
Processor cores	2
Processor clock	2.0-2.7 GHz
Internal cache	4 Mbytes
Internal program and data memory (RAM)	4-Gbyte DDR4 (SODIMM)
Graphics	Intel® UHD Graphics 600
Hard drive	128-Gbyte SATA M.2 SSD
Interfaces	4x USB 2.0 (Type A) 1x DisplayPort output V1.2a (max. 1920 x 1200 px at 60 Hz) 2x Ethernet (Gbit)
Internal interfaces	1x Panel Interface Connector
Signal generator	no
Display Resolution	10.1" TFT color display WXGA 1280 x 800 pixels

Operating panel	touch screen (projective capacitive)
Status LEDs	1x red, 1x green
Real-time clock	yes
Cooling	passive (fanless)

Electrical Requirements

Supply voltage	+18-30 V DC (SELV/PELV), typically +24 V DC UL: Class 2 or LVLC	
Current consumption of (+24 V) power supply	typically 800 mA (without externally connected devices)	maximum 1300 mA (with external devices connected)
Inrush current with 24 V/10 A fixed voltage supply	maximum 2.2 A (for 1.8 ms, load-dependent)	
Inrush current without current limiting supply	maximum 3.5 A (for 6 µs, load-dependent)	

Terminal

Dimensions	264 x 183 x 83 mm (W x H x D)
Material	front plate: 1.1 mm glass (touch screen) in black anodized aluminum frame housing: sheet steel Heat sink anodized aluminum
Weight	2.3 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 with derating of the maximum environment temperature by 0.5 °C per 100 m	
Operating conditions	pollution degree 2	
EMC resistance	EN 61000-6-2 (industrial area)	
EMC noise generation	EN 61000-6-4 (industrial area)	
Vibration resistance	EN 60068-2-6	5-200 Hz: amplitude 3.5 mm transition frequency: 8.42454 Hz acceleration: 1 g duration: 10 cycles cycle: 1 octave/minute
Shock resistance	EN 60068-2-27	15 g (147.15 m/s²)
Protection type	EN 60529 protected through the housing	front: IP65 cover IP20

Display

Type	10.1" IPS color display
Resolution	WXGA 1280 x 800 pixels
Color depth	18-bit RGB
LCD mode	normally black
LCD Polarizer	transmissive
Pixel size	0.1695 x 0.1695 mm
Active surface	216.96 x 135.60 mm
Backlighting	LED
Contrast ratio	typically 1000:1
Brightness	typically 500 cd/m²
Angle CR ≥ 10	left, right, top, bottom typically 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

Article Number and Miscellaneous

Article number	01-230-1044
Operating system	Gecko
Approvals	CE the ETT 1044 consists of a TP 1061 (dULUS (E247993)) and a PIM 041 (designed according to UL)

Notes