

E-Kiosk for mobility applications

TFT Z 43"



The TFT Z 43" is a single-sided stele in landscape format for indoor and outdoor applications. It offers a wide range of applications, e.g. as an arrival and departure display or pre-announcement display. Thanks to its modular design, it enables easy maintenance and good availability of spare parts.

MAXIMUM FLEXIBILITY

The TFT Z 43" stele offers high flexibility, maximum security and energy efficiency. All devices are equipped with various sensors for brightness control, vandalism detection for prevention and protection against damage and destruction.

The TFT Z 43" stele is designed for indoor and outdoor use.

HIGHLIGHTS

- » single-sided for indoor and outdoor
- » modular structure – easy maintenance and good spare part availability
- » integrated sensor technology for monitoring temperature, humidity, brightness and error detection
- » integrated, high-performance heat exchanger
- » anti-reflective laminated safety glass with highly effective IR and UV blocking filter
- » CE Certificate, TSI conformity

TECHNICAL DATA

GENERAL DESCRIPTION

Exact designation	TFT Z 43" E-Kiosk single-sided – Landscape
Area of application	outdoor and indoor, also with direct sunlight

TFT-PANEL

Display area	Screen size (W x H) [mm]:	941 x 529
	Screen diagonal:	43"
	Aspect ratio:	16:9 Portrait
	Resolution [px]:	1.920 x 1.080 Full-HD
Display colour	up to 16.7 million possible colours	
Viewing angle	typical 178° in horizontal and vertical direction	
Brightness [cd/m²]	min. 1.000 / max. 2.500	
Ambient light	readable even in direct sunlight	
Backlighting	LED backlighting, brightness control according to ambient light	

HOUSING

Front glass	anti-reflective laminated safety glass with thickness of ca. 8.8 mm, with highly effective IR and UV blocking filter	
	Easy-to-clean coating	
	Puncture resistance in accordance with DIN EN 356, P2A	
Housing material	White aluminium	
Surface	Colour door frame / glass passepartout RAL5022 - midnight blue	
	Colour of body / base RAL9006 - white aluminium	
Fastening	via 8 x M16 anchor bolts to the foundation	

DIMENSIONS / WEIGHT

Dimension (W x H x D) [mm] 1.202 x 1.900 x 240

Weight [kg] ca. 157

POWER SUPPLY

Power supply 230 V / 50 Hz, 0,8 kW
 Overvoltage protection with SPD type 3
 Inrush current limiter 16 A
 Mains filter

Max. Power consumption ca. 109 W plus 250 W heating

Typical Power consumption Operation ca. 57 W plus 250 W heating

CLIMATIC & ENVIRONMENTAL CONDITIONS

Temperature range operation -20° C to +40° C

Temperature range storage -20° C to +60° C

Air conditioning Air circulation circuit with speed-controlled fans
 Cooling via heat exchanger
 Heating foil with 250 W, switched via temperature limit value

Noise development < 50 dB according to TA Lärm

Connections Power supply: 230 VAC (L, N, PE) in terminal box in base area Network: fibre optic single-mode duplex
 Earthing: external earth bolt M16 on the side in the lower area

Statics Wind load zone 4 according to EN1991-1-4
 Snow load zone 3 according to EN1991-1-3

Service life min. 10 years, decrease in screen brightness to 50 % after 50,000 h (at T = 25° ± 2° C)

Protection class / electrical protection class IP65 according to EN 60529 / Protection class 2

Approvals CE (EMC, electrical safety, RoHS) in accordance with EU Directives 2014/30/EU, 2014/35/EU, 2017/2102/EU, TSI-PRM

INTERFACES & FUNCTIONS

Data interfaces	Network via fibre optic single-mode and multi-mode (GBIC module in integrated media converter) Optional mobile radio (additional authorisation may be required)
Electronic beacon	Bluetooth Low Energy (BLE)
LoRaWAN	Module with serial interface and integrated antennae
USV	Bridging the power supply to the display PC, controller board and media converter for a period of approx. 5 minutes Energy storage in SuperCaps
Buffering RTC / Bios Display PC	SuperCap
Detection of power supply interruption	230 V AC Relay with monitoring contact

SENSORS & MONITORING

Sensors / monitoring functions	Indoor air temperature, front temperature, humidity, panel voltage, backlight brightness, acoustic glass breakage sensor, door opening, power consumption, fan speeds, watchdog
Brightness control	Brightness control via ambient light sensor. Configurable parameters
