

Display and E-Kiosk

TFT 32"



The TFT 32" offers versatile applications in form of Display and E-Kiosk. They are available in both portrait and landscape format. Within the Funkwerk hardware portfolio, various mounting options and decorative trims are also available as design element for the 32" Display and E-Kiosk.

MAXIMUM FLEXIBILITY

The TFT 32" Display and E-Kiosk offers high flexibility, maximum safety and energy efficiency. All devices are equipped with different sensors for control the brightness, vandalism detection to avoid and protect against damage and destruction. Optional they have a Stand-by-Function that automatically switches the displays to energy saving mode when inactive. Furthermore, an optional Text-to-Speech (TTS) function is available.

The TFT 32" Display and E-Kiosk are developed for indoor and outdoor use.

HIGHLIGHTS

- » one-sided / double-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
- » performance control unit for high resolution applications or videos
- » CE Certificate, TSI conformity

TECHNICAL DATA

GENERAL DESCRIPTION

Exact designation	TFT 32" Display single-sided – Landscape / Portrait
	TFT 32" Display double-sided – Landscape / Portrait
	TFT 32" E-Kiosk single-sided – Landscape / Portrait
	TFT 32" E-Kiosk double-sided – Landscape / Portrait
Area of application	outdoor and indoor, also with direct sunlight

TFT-PANEL

Display area	Screen size (H x W):	approx. 395 x 701 mm
	Screen diagonal:	32"
	Aspect ratio:	16:9 [Landscape] / 9:16 [Portrait]
	Resolution:	Full-HD with 1.920 x 1.080 pixels
Display colour	uUp to 16.7 million possible colours	
Viewing angle	typical 178° in horizontal and vertical direction	
Initial brightness value	max. 2.500 cd/m ²	
Initial contrast	typical 4.000:1	
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 approx. 8.8 mm, with highly effective IR and UV blocking filter
Housing material	galvanized steel / Aluminium
Surface	Base colour: Deep black RAL9011
Fastening	TFT 32" Display single-sided & double-sided: 4 x M12 threaded bolts TFT 32" E-Kiosk single-sided & double-sided: above column base, 6 mounting holes for M16 threaded rods on the ground

DIMENSIONS / WEIGHT

Dimension (W x H x D)	TFT 32" Display single-sided Portrait	552 x 858 x 302 mm
	TFT 32" Display single-sided Landscape	858 x 552 x 302 mm
	TFT 32" Display double-sided Portrait	552 x 858 x 302 mm
	TFT 32" Display double-sided Landscape	858 x 552 x 302 mm
	TFT 32" E-Kiosk single-sided Portrait	552 x 2.255 x 302 mm
	TFT 32" E-Kiosk single-sided Landscape	858 x 1.800 x 302 mm
	TFT 32" E-Kiosk double-sided Portrait	552 x 2.255 x 302 mm
	TFT 32" E-Kiosk double-sided Landscape	858 x 1.800 x 302 mm
Weight (without trim strip)	TFT 32" Display single-sided Portrait	ca. 60 kg
	TFT 32" Display single-sided Landscape	ca. 60 kg
	TFT 32" Display double-sided Portrait	ca. 70 kg
	TFT 32" Display double-sided Landscape	ca. 70 kg
	TFT 32" E-Kiosk single-sided Portrait	ca. 130 kg
	TFT 32" E-Kiosk single-sided Landscape	ca. 130 kg
	TFT 32" E-Kiosk double-sided Portrait	ca. 145 kg
	TFT 32" E-Kiosk double-sided Landscape	ca. 145 kg

POWER SUPPLY

Power supply 230 V / 50 Hz, fused by FI/LS switch with 30 mA / 6 A,

tripping characteristic C

TFT 32" Display single-sided P = 340 W

TFT 32" Display double-sided P = 640 W

TFT 32" E-Kiosk single-sided P = 340 W

TFT 32" E-Kiosk double-sided P = 640 W

Typical Power consumption Operation TFT 32" Display single-sided 60 W / max. 140 W plus 200 W heating

TFT 32" Display double-sided 110 W / max. 240 W plus 400 W heating

TFT 32" E-Kiosk single-sided 60 W / max. 140 W plus 200 W heating

TFT 32" E-Kiosk double-sided 110 W / max. 240 W plus 400 W heating

CLIMATIC & ENVIRONMENTAL CONDITIONS

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

Temperature range storage -20° C to +50° C

Air conditioning powerful heat exchanger for cooling the interior
200 W heating foil for heating the interior

Service life of the entire device approx. 10 years, reduction of display luminosity after 50.000 h to 50 % (at T = 25 ± 2° C)

Protection class / electrical protection class Monitor Part IP65 / Protection Class 2

Approvals CE (EMC and electrical safety)

CONTROL UNIT & INTERFACES

Control Unit Kontron D3723-R mITX with AMD Ryzen Embedded R2314, max. 4x 3,5 GHz, integrated on-Board Vega GPU

Standard Interfaces DisplayPort, USB, Gigabit Ethernet / LAN / RJ45, etc.

INPUT / OUTPUT COMPONENTS

Release button (Only for the E-Kiosk variants)	Push button with raised letter „i“ as information for persons with impaired vision. Touch surface 25 cm ² . Optical actuation feedback. TSI PRM conformity
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Acoustic output	waterproof loudspeaker (IP65). Output power max. 18 W. Volume configurable
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Read aloud function (Only for the E-Kiosk variants)	Connection to TTS-Engine Server with streaming through MRCP for playback without time delay, license and voice package is not included. Optional license language package German / English / French. Other languages on request
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SENSORS & MONITORING

Sensors / monitoring functions	temperature & humidity, glass breakage, ambient light, backlight error and fan speed
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Funkwerk Sensor Modul	Funkwerk Sensor Modul for Stand By Controller of the displays, control of display brightness and train phase detection
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Display control function and network access	with Funkwerk control unit displays can be controlled by integrated browser Service WEB interface, accessible via web browser, SSH, SCP, VNC, SNMP v1 / v2 / v3
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Brightness control & Fallback display	Brightness control according to ambient light. Display of a definable fallback page in case of interruption of the data connection
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