

Display and Column panel

TFT 46"



Displays and column panel in screen size 46"
with read aloud function and optional touch operation

ORDER NO. / DESIGNATION

360.20000-0002	TFT46es
360.20000-0003	TFT46ds
360.20000-0004	TFT46es-column panel
360.20000-0005	TFT46ds-column panel
360.20000-0006	TFT46es-column panel-touch
360.20000-0007	TFT46ds-column panel-touch

TECHNICAL DATA

GENERAL DESCRIPTION

Exact designation	TFT46ds (TFT display 46" single-sided)
	TFT46ds (TFT display 46" double-sided)
	TFT46es column (TFT column 46" single-sided)
	TFT46ds column (TFT column 46" double-sided)
	TFT46es-column panel-touch (TFT-column 46" single-sided with touch)
	TFT46ds-column panel-touch (TFT-column 46" double-sided with touch)
Area of application	Outdoor and indoor, also with direct sunlight
Temperature range operation	-20 °C to +40 °C
Temperature range storage	-20 °C to +50 °C
Dimension (W x H x D)	TFT46ds: approx. 1240 x 731 x 274 mm TFT46column: approx. 795 x 2347 x 276 mm
Front glass	Anti-reflective laminated safety glass with thickness of approx. 8.8 mm, with highly effective IR and UV blocking filter
Housing material	Hot-dip galvanised steel
Surface housing	Paint according to RAL on customer request
Weight	TFT46es 130 kg
	TFT46ds 135 kg
	TFT46es-column 165 kg
	TFT46ds-column 170 kg
	TFT46es-column-touch 165 kg
	TFT46ds-column-touch 170 kg
Fastening	4 x M12 threaded bolts (TFT46es & TFT46ds) above column base, 4 mounting holes for M12 threaded rods on the ground

GENERAL DESCRIPTION

	230 V/50 Hz, fused by FI/LS switch with 30 mA/6 A, tripping characteristic C
Power supply	TFT46ds P = 650 W
	TFT46es-column P = 460 W
	TFT46ds-column P = 650 W
	TFT46es-column-touch P = 470 W
	TFT46ds-column-touch P = 660 W
Typical power consumption operation	TFT46ds Typ. 230 W/max. 430 W plus 200 W heating
	TFT46es-column Typ. 140 W/max. 430 W plus 200 W heating
	TFT46ds-column Typ. 235 W/max. 430 W plus 200 W heating
	TFT46es-column-touch Typ. 145 W/max. 430 W plus 200 W heating
	TFT46ds-column-touch Typ. 240 W/max. 430 W plus 200 W heating
Protection class / electrical protection class	Monitor part IP65 / protection class 1
Sensors	Funkwerk sensor module for intelligent switch-off or dimming of the display brightness depending on ambient light and presence of persons. Monitoring of the device temperature and humidity inside. Vandalism detection with glass breakage detector and vibration sensor. Monitoring of the display backlighting.
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 70.000 h to 50 % (at T = 25 °C ± 2 °C)
Approvals	CE (EMC and electrical safety)

TFT-PANEL

Display area (TFT display)	H x W approx. 1024 x 579 mm, 46" screen diagonal, 16:9 format (display) or 9:16 format (stele), full HD resolution with 1920 x 1080 pixels
Display colour	up to 16.7 million possible colours
Reading angle	Typ. 175° in horizontal and vertical direction
Initial brightness value	Max. 2500 cd/m ²

TFT-PANEL

Initial contrast	Typ. 4000:1
Ambient light	Readable even in direct sunlight
Backlighting	LED backlighting, brightness control according to ambient light by means of Funkwerk sensor module

INTERFACES AND FUNCTIONS

Connector plug Data interface	Network via RJ45 socket
Connection supply	2 x cable gland M25 for variable cable diameter 6-20mm on underside of housing Connection terminal size 2.5 mm ²
Control	Ethernet/LAN
Control interface	Web display with integrated browser
Read aloud function (Only in the stele variants)	Connection to Aristech TTS engine server with streaming via MRCP for playback without time delay, licence and voice package is not included. Optional licence language package German/English/French. Other languages on request.
Functions	Brightness control according to ambient light by means of light sensor Display of a definable fallback page in case of interruption of the data connection
Monitoring functions	Monitoring of temperature and humidity. Detection of Glass breakage and external forces. Monitoring of conversion and detection of people being present. Detection of faults in the display backlighting.
Network access	Service WEB interface, accessible via web browser SSH, SCP, VNC, SNMP V1/2/3

CONTROL UNIT AND INPUT / OUTPUT COMPONENTS

Control computer	NVIDIA Jetson Nano, ARM-A57 processor with 4 x 1.43 GHz, internal 128-core GPU with Maxwell architecture
Memory	4 GB LPDDR4-RAM, 16 GB eMMC
Interfaces	HDMI 2.0, USB 3.0, USB-C, Gigabit Ethernet/LAN RJ45, UART, I2C, I2S, SPI etc.
Release button (Only in the stele 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
Acoustic output	Waterproof loudspeaker (IP65). Output power max. 18 W. Volume configurable.
Touch operation (Only in the Touch variants)	<p>The steles in the touch version have a high-quality PCAP touch foil that is protected on the inside of the protective glass panel.</p> <p>Basic function: Turning over stored information pages by „swiping“. Other operating elements and gestures can also be configured as options.</p>
