

SMART,  
SAFE AND  
SMOOTH  
FUTURE



ON-BOARD  
TFT LCD DISPLAYS

TELESTE

# ON-BOARD TFT LCD DISPLAYS

A variety of display solutions based on TFT LCD technology to share your information with superior readability and railway-proof design that fulfils EN 50155 and fire and smoke standards. Passengers can enjoy clear and rich content during their journey!

## Versatile display options for various customer needs

The on-board TFT LCD display series includes different display types in several different sizes, including monitors, open-cell displays and flush-mounted displays. Stretched display types with wide display format 32:9 are available for installations where space is limited. There are both single- and double-sided options available with several different mechanical integration options. Our on-board TFT LCD display series includes a Human Machine Interface (HMI) interactive display with touch screen in various sizes.

## Passenger Information & infotainment displays

Our integrated PIS and infotainment subsystems provide versatile integration of passenger information, news, advertising, entertainment and other information for our on-board TFT LCD displays. The information can be streamed from external sources or triggered from a local media database. The solution supports a wide range of video and audio formats.





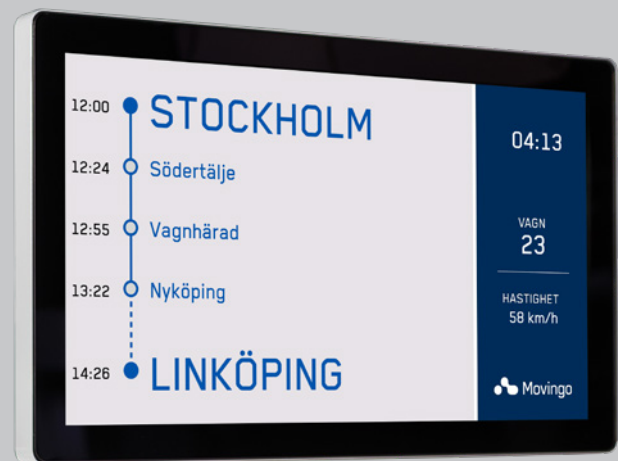


### Railway-proof design

Our IP54-protected on-board TFT LCD displays are designed and tested for railway environments, and they fulfil even the strictest quality requirements standards such as EN 50155 and fire and smoke standards. Our advanced thermal management solutions ensure device operation even in extreme temperatures in the range of -25 °C up to +70 °C.

### Low cost of ownership

Teleste's on-board TFT LCD displays are designed for a long lifetime of over 10 years. Only industrial high quality components are used to ensure long-lasting service-free operation of device. The energy-efficient and service-free backlight system is based on ELED technology. Intelligent diagnostics monitors display operations in real time, and the information can be used for preventive maintenance to ensure constant operation of the device.



## ON-BOARD TFT LCD DISPLAYS TECHNICAL SPECIFICATIONS (typical values unless otherwise stated)

PRODUCT CODE	TFT LCD format	Resolution	Active display area (mm)	Brightness (cd/m <sup>2</sup> )	Dimensions, weight
17.3" TFT LCD indoor monitor	16:9	1920 x 1080	382 x 215	300	440 x 277 x 67 mm, ~9kg
18.5" TFT LCD indoor monitor*	16:9	1366 x 768	410 x 230	300	476 x 297 x 70 mm, ~10kg
18.5" TFT LCD indoor monitor	16:9	1920 x 1080	409 x 230	350	469 x 290 x 67 mm, ~7kg
21.5" TFT LCD indoor monitor	16:9	1920 x 1080	476 x 268	250	535 x 326 x 67 mm, ~9.5kg
23.8" TFT LCD indoor monitor	16:9	1920 x 1080	527 x 296	250	588 x 358 x 70 mm, ~11kg
29" TFT LCD indoor monitor	32:9	1920 x 540	706 x 199	500	763 x 262 x 69 mm, ~11.5kg
37" TFT LCD indoor monitor	32:9	1920 x 540	899 x 253	700	960 x 313 x 69 mm, ~14kg
42" TFT LCD indoor monitor	36:9	1920 x 480	1040 x 260	700	1100 x 322 x 77 mm, ~17kg

GENERAL CHARACTERISTICS	
Controller	Industrial PC
Interfaces	Ethernet 10/100BASE-TX, M12
Viewing angle	178° (* 160°)
Housing, color	Aluminum case, RAL color
Front glass	Hardened, double side antireflective coated 4mm glass
Protection class	IP54
Backlight lifetime	50 000 hours (50%)
Temperature range	Full operation -25°C to +55°C Limited operation -40°C...-25°C and +55°C...+70°C Storage -40°C to +85°C
Operating voltage	24VDC, 72VDC or 110VDC
Standards	EN50155, EN50121-3-2

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P2P\_On-board TFT LCD Displays 11/2018

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