



# TFT Information Display

## GFF

The full-color, full-graphics display with fine pixel pitch perfectly displays text, graphic symbols, images, videos, web pages and live broadcasts. High brightness ensures excellent readability even in sunlight. Interactive touchscreen variant available. Thanks to the special Text-To-Speech module, even visually handicapped can use our information systems. They are provided with the necessary traffic information via synthetic voice output. The panels are suitable for outdoor use.



# Features

## TFT Technology

TFT technology allows free configuration of screen areas. Full graphic display with fine pixel pitch perfectly displays text, graphic symbols, images, videos, web pages and even live broadcasts.

- High brightness display guarantees excellent readability even in direct sunlight.
- Fully graphic display shows public transport information, train and bus departures, general passenger information as well as advertising messages and other multimedia.
- Interactive variant with touchscreen display.

## Information System

Possibility of making the display as an autonomous display element or as part of larger information system.

- Management by an external master computer makes tracking and controlling easier.
- Power and runtime data are automatically monitored.

## Mechanical Design

- Stable construction made of aluminium elements in RAL color of customer's choice.
- Protection degree IP54.
- Highly durable laminated safety glass (LGS) with 6.8 mm thickness and anti-reflective coating.
- Shock resistance IK10.
- Flush mounting into niche.
- Single sided design, horizontal screen orientation.
- Cooling is ensured by temperature controlled fans with fault detection and dust filters.
- Easy access to all internal modules after tilting the front panel makes easier to check up and replace internal parts.

## Operation

- The display is designed for reliable usage 24/7 in indoor or outdoor conditions.
- Choose from two types of modes according displays usage.

## Text-to-Speech Module

Specially developed module for visually handicapped person.

- The module provides the necessary information via synthetic voice output from 8W speakers.

## Various Areas of Use



Train Stops  
and Stations



Railway Station

Time	Estimated	Train	Line	Destination	Via	Platform
15:58		ST 7981	R21	BIRMGINGHAM	Milton Keynes	5 A-F
16:00		ST 3418	R19	MANCHESTER	Sheffield	3 A-F
16:03		T 8751	R22	LIVERPOOL	Birmingham	3 A-C
16:10		ST 1147	R20	NEWCASTLE	York	6 D-E
16:46	Exp. 1547	R23	EXETER		Salisbury	4 A-D
16:58		ST 7981	R21	BIRMINGHAM	Milton Keynes	5 A-F
17:00		ST 3418	R19	MANCHESTER	Sheffield	3 A-F
17:03		T 8751	R22	LIVERPOOL	Birmingham	3 A-C



TFT  
Technology



Full Color  
RGB Display



Touch Display  
Option



Brightness up  
to 1500 nits



Usage 24/7



Management  
and Monitoring System



Integrated  
Temperature Control



Option WiFi, LTE  
or Fiber Optics



Text-To-Speech  
Module



Suitable for  
Outdoor Use

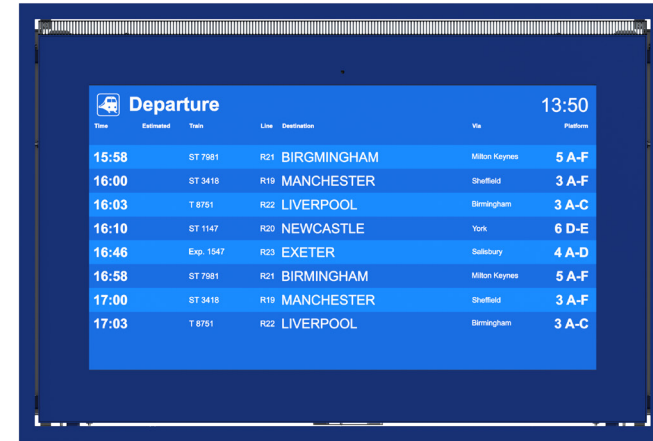
# Technical Parameters

GFF.		43.500	43.1500	
Display	size	43"		
	type	industrial, TFT, 24/7, HTNI		
	brightness	500 nits	1 500 nits	
	contrast	3 000:1	4 000:1	
	number of colors	16,7 million		
	brightness control	automatic controlled by ambient light conditions		
	resolution	1 920 x 1 080 px (Full-HD)		
	viewing angle	178° / 178°		
	screen orientation	horizontal (landscape)		
Casing	construction	aluminium casing and profiles		
	service access	tilting frame with cover glass		
	glass	material	laminated safety glass (LSG), thickness 6.8 mm, anti-reflective coating	
		shock resistance	IK10	
	dimensions [mm] W × H × D	1 202 × 813 × 150		
	weight [kg]	75		
	protection degree	IP54		
	surface finish	powder coated paint		
	security	industrial lock with special key		
	noise level	max. 62 dB – at maximum cooling system power		
	Temperature Management	cooling	temperature controlled fans with fault detection and dust filters	
heating		90 W		
operating temperature		-20 to +40 °C		
storage temperature		+5 to +45 °C		
humidity		10 to 90 %, without condensing		
max. intensity of solar radiation		1 120 W/m <sup>2</sup>		
Connectivity	standard	LAN		
	on request	WiFi, LTE, fiber optics		
Power	power voltage	100–240 VAC / 50–60 Hz		
	max. power consumption	220 W	290 W	
Options		Text-to-Speech module with 8W speaker and receiver for visually handicapped		
		touch screen control		
Mounting		flush mounting into prepared niche, required niche dimensions: 1 169 ±5 mm × 766 ±5 mm × 160 +15/-0 mm		

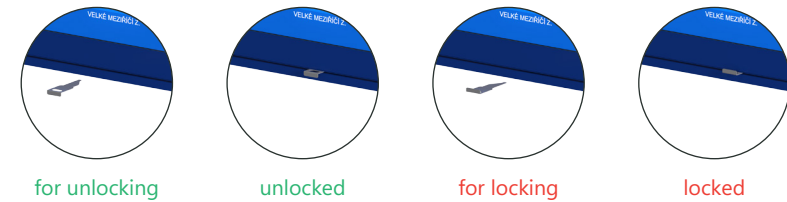
# GFF.43 Dimensions



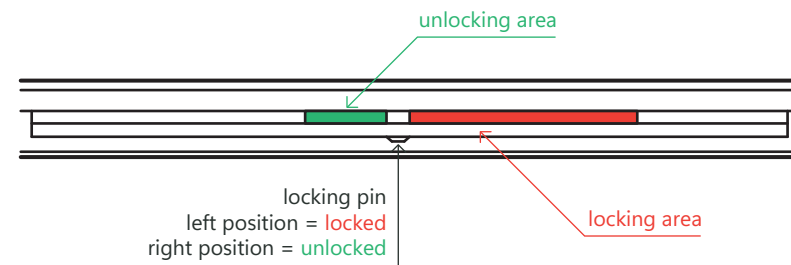
## Locking of display with special key



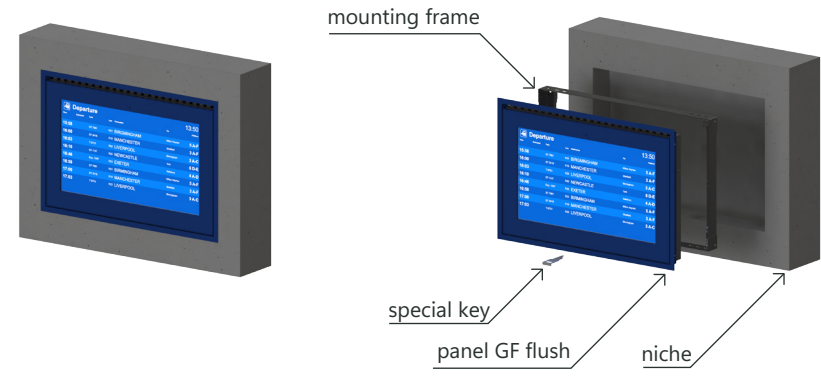
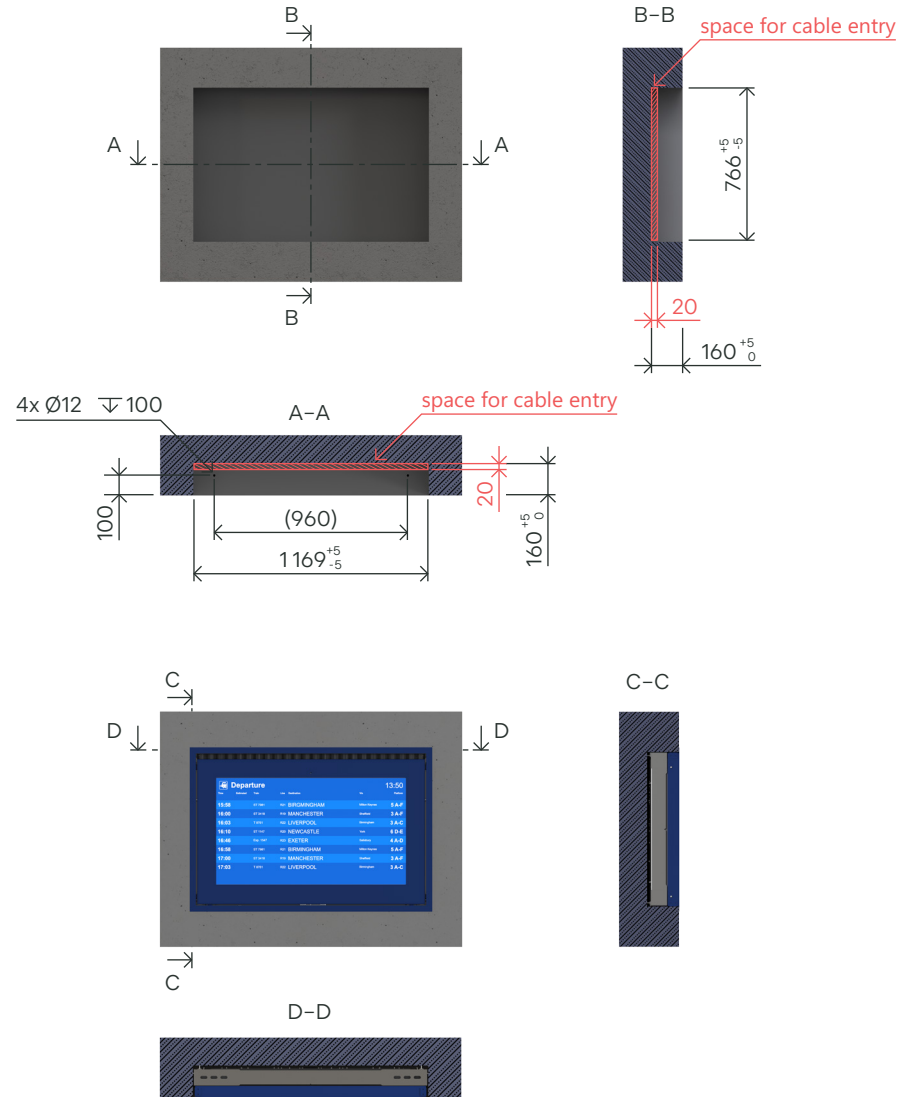
### Key positions:



### Lock detail



# GFF.43 Niche Dimensions



## Niche Tolerances:

- Required niche dimensions: 1169 × 766 mm
- Linear tolerance on masonry: ±5 mm
- Minimal dimensions: 1164 × 761 mm
- Maximal dimensions: 1174 × 771 mm

## Trapezoidnes:

- A rectangle of dimensions 1164 × 761 mm must fit into the niche.

## Niche Depth:

- 160 mm, tolerance -0 / +15 mm.

We can bring cables from any direction. The cable outlet must be closest to the back wall.

# Order Reference

**1 Display Size**  
43" TFT display 43

**2 Display Brightness**  
500 nits 500  
1500 nits 1500

**3 Design**  
Single sided N  
Single sided with touchscreen display NT

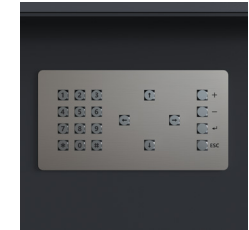
**4 Screen Orientation**  
Horizontal H

**5 Options**  
(if more than one options is selected, include the extension code in order indicated separated by dot)

Anti-Vandal buttons for visually handicapped	VIB
Text-to-Speech module with 8W speaker and receiver for visually handicapped	TTS
LAN connectivity	LAN
WiFi connectivity	WiFi
LTE connectivity	LTE
Fiber optics connectivity	FO
Industrial PC with Windows OS	IPC

**6 Frame Color**

Matte black	RAL9005
Light grey	RAL7040
Anthracite	RAL7016
Frame color on request	RALxxxx



VIB option

Order example:

**GFF.43.1500.NT.H.FO.TTS.RAL5003**

<b>GFF</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
	Display Size	Display Brightness	Design	Screen Orientation	Options	Frame Color

# Get in Touch

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