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.
- Highly durable laminated safety glass (LGS) with 6.8 mm thickness and anti-reflective coating.
- 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

Departure					13:50	
Time	Estimated	Train	Line	Destination	Via	Platform
15:58	ST 7981	R21	BIRGMINGHAM		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

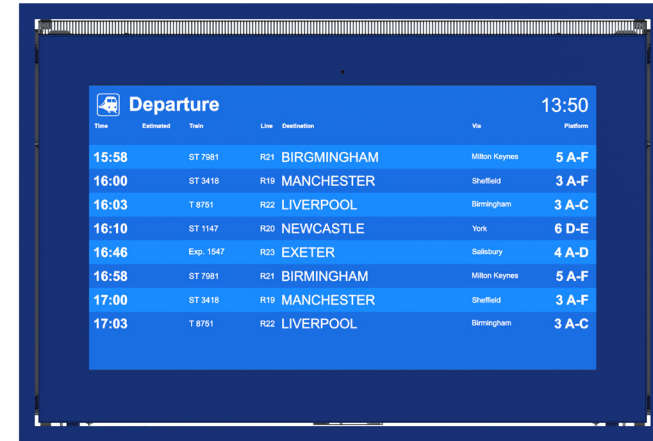| TFT Technology	Full Color RGB Display	Touch Display Option	Brightness up to 1 500 nits	Usage 24/7	Management and Monitoring System	Integrated Temperature Control	Option WiFi, LTE or Fiber Optics	Text-To-Speech Module	Suitable for Outdoor Use

Technical Parameters

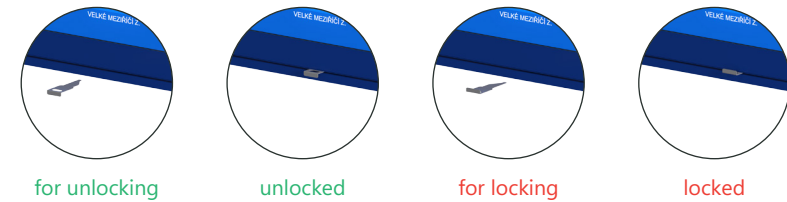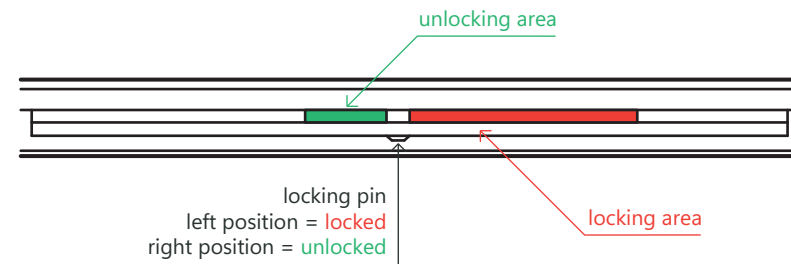| GFF.		43.700	43.1500
Display	size	43"	
	type	industrial, TFT, 24/7, HTNI	
	brightness	700 nits	1 500 nits
	contrast	3 000:1	4 000:1
	number of colors	16,7 million	
	brightness control	automatic controlled by ambient light conditions	
	resolution	1 920 x 1 080 px (Full-HD)	
	viewing angle	178° / 178°	
	screen orientation	horizontal (landscape)	
Casing	construction	aluminium casing and profiles	
	service access	tilting frame with cover glass	
	glass	laminated safety glass (LSG), thickness 6.8 mm, anti-reflective coating	
	dimensions [mm] W × H × D	1 202 × 813 × 150	
	weight [kg]	75	
	protection degree	IP 54	
	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^2	
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

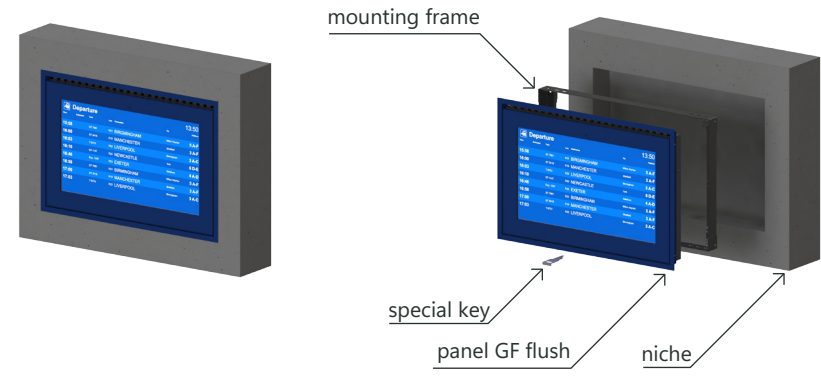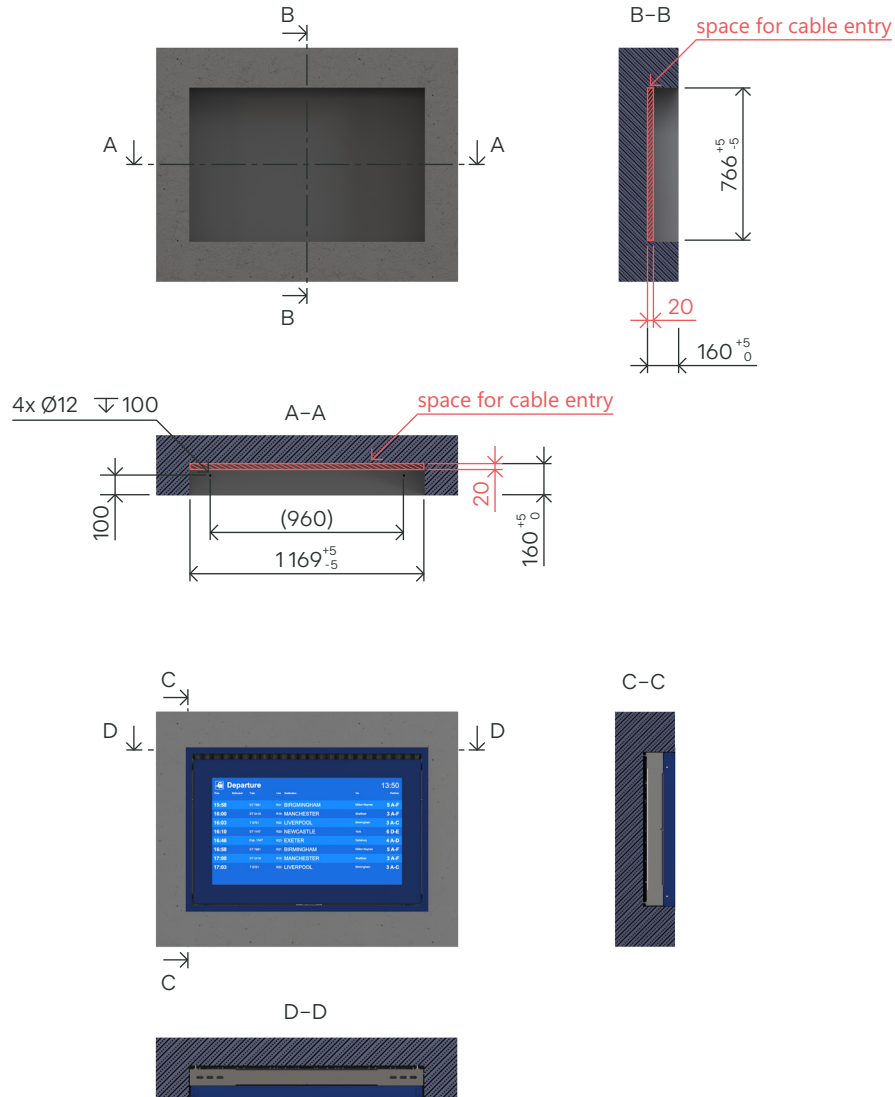

Locking of display with special key

Key positions:

for unlocking

unlocked

for locking

locked

Lock detail

unlocking area

locking area

locking pin
left position = locked
right position = unlocked

GFF.43 Niche Dimensions

B–B

space for cable entry

766^{+5}_{-5}

20

160^{+5}_{0}

4x Ø12 ⤓ 100

A–A

space for cable entry

20

100

160^{+5}_{0}

(960)

1169^{+5}_{-5}

C–C

D–D

mounting frame

special key

panel GF flush

niche

Niche Tolerances:

- Required niche dimensions: 1 169 × 766 mm
- Linear tolerance on masonry: ±5 mm
- Minimal dimensions: 1 164 × 761 mm
- Maximal dimensions: 1 174 × 771 mm

Trapezoidnes:

- A rectangle of dimensions 1 164 × 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**

700 nits	700
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

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

GFF	**1**	**2**	**3**	**4**	**5**	**6**
	Display Size	Display Brightness	Design	Screen Orientation	Options	Frame Color

Get in Touch

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We are a traditional Czech company operating in the field of timekeeping and display technology. Our success is evidenced by our continuous growth, both in terms of company size and expansion of our product range or export abroad.

Since 1995 we have been a member of the international holding MOSER-BAER AG and our products under the prestigious MOBATIME brand are exported all over the world.

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