TP RANGE OF TFT DISPLAYS

Slim poster display

This cost-effective display has been specifically designed to deliver rich Real-Time Information and interactive content direct to passengers using Kadfire's RailPoint software. With a built-in NFC reader integrating with RailPay, it allows passengers to select and buy their tickets too.

Whilst the displays are slim (50mm) and light, they are built to withstand the rail environment with vandal-resistant features and industrial grade IP ingress protection-rated enclosures. The design allows them to be fitted quickly, directly and easily to walls.

Coupled with Infotec's high-performance controllers, the TP Series produces a professional crisp and high-contrast image to ensure legibility in a wide variety of ambient lighting conditions.

- Cost effective paper poster replacement
- 1080 x 1920 HD resolution
- (- K) Multi-touch PCAP touch screen
- (- G) GSM – Mobile phone data services
- (- F) NFC Reader (RailPay)
- x86 platform - RailPoint OS
- amGuard - Display asset guardian software
- Industrial grade TFT panel
- IP65 rated enclosure
- Super slim design (50mm)
- Ethernet, 4G, WiFi communications

RailPoint. infotec

Key Features

Easy maintenance
Common parts (LED and TFT) and ease of access for reduced downtime and on-site site maintenance.

IP65 rated
Industrial grade IP65 ingress protection rated enclosure.

Rugged housing
Resilient, vandal resistant enclosure, tested and certified to meet the rigours of the transport environment.

Image persistence
Infotec anti-image persistence technology, to increase the life expectancy of the screen.

Communication
Including Ethernet, WiFi, GSM (4G/3G/2G) ,RS485, ADSL, with automatic detection.

24/7
Designed for 24/7, 365 day operation in challenging environments.

Self healing
Multiple levels of hardware and software watchdogs, with built-in smart technology to enable auto-diagnostics and self-healing.

Tough screen
Toughened anti-reflective glass or polycarbonate front window.

Automatic panel failure detection
White spot TFT panel failure detection technology included.

Auto-brightness
Automatic brightness control to suit changes in ambient lighting.

Sleep mode
Allow the display to sleep during the night, saving power and extending life.

Low power
Low power, solid-state, digital system with smart power management.

PRM-TSI
Infotec display are designed and certified to meet latest PRM-TSI guidelines.

Fully certified
Certified to European standards, low voltage directive EN60950-1 2006, EN60950-22 (safety) and EN50121-4 (EMC).
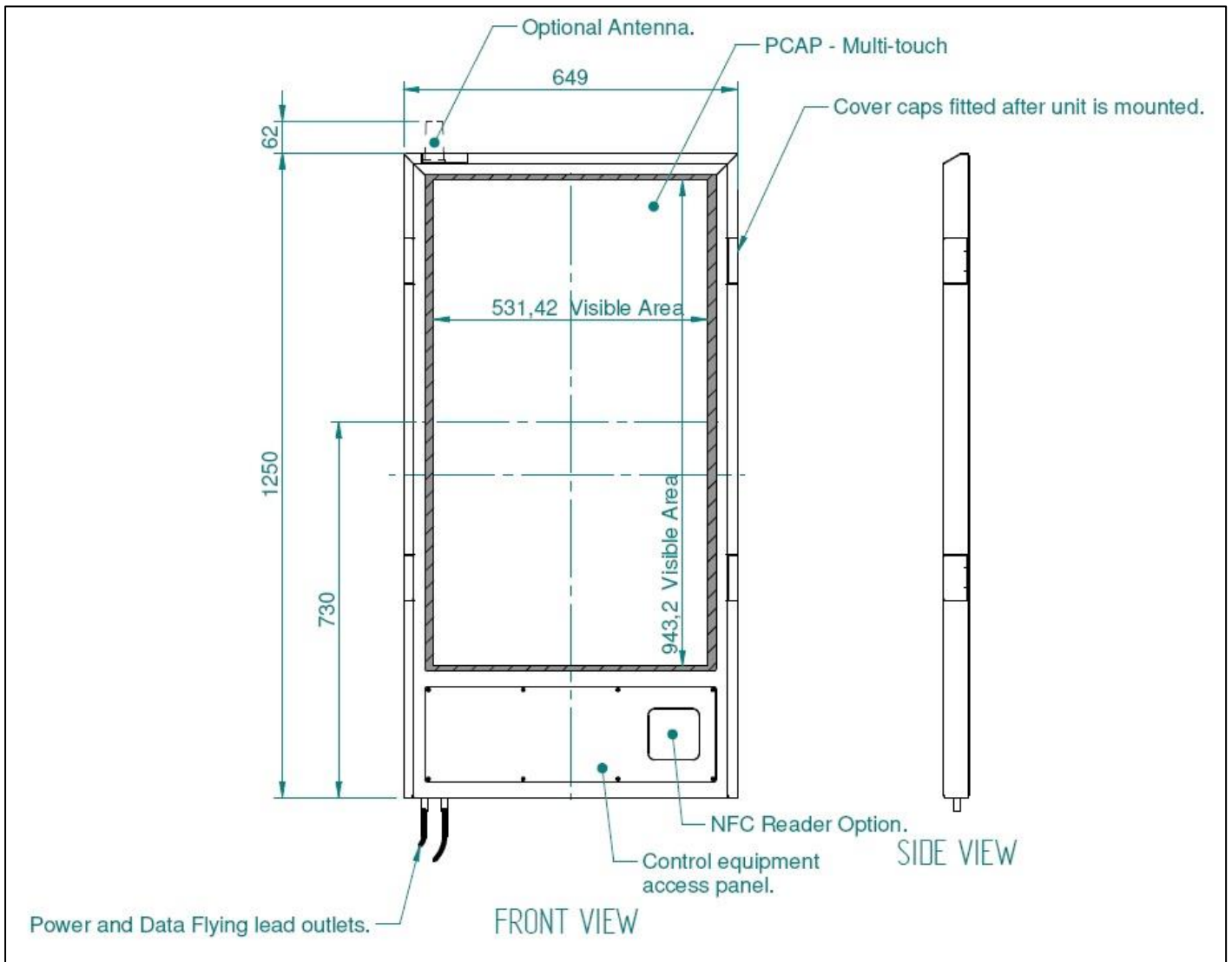
Section 12
Sub-surface underground application (LUL 1-085).

RailPoint 43" rugged poster display – with touchscreen

TP43P/PC

SPECIFICATIONS		
TFT	TFT Type	43" industrial grade, wide view
	Viewing Angle	178 degrees
	Backlight	Long-life white LED
	Resolution	1920 x 1080 pixels
	Orientation	Portrait
	Aspect Ratio	16:9
	Brightness	500 cd/m2
	Visible Area (x) x (y)	531mm x 943mm
Enclosure	Construction/Finish/Colour	Welded Aluminum & Zintec / Powder Coated/RAL9005 (Black)
	Dimensions	649mm (w) x 1250mm (h) x 50mm (d)
	Weight	35Kg
	Screen	5mm toughened anti-reflective glass
	Access	Removable cover for the electronic access – panel change will be swap out
	Cable Entry	M20 x 1.5 threaded gland – Bottom of display as standard / Top of display as an option
Mounting	Arrangement	Wall mounted – Removable trim allows direct fixing to the wall
Environmental	Ingress Protection	IP65 BSEN60529 1992 (incl. amendments) parts 1 & 2
	Operating temperature range	-10°C to 50°C
	Humidity	20% to 90% (non-condensing)
	Application	Indoor rugged location – Dust and waterproof (IP65)
Electrical	Power	95Vac-264Vac 50Hz (nominally 230Vac). Input inrush current 20A peak
	Power Consumption @ 230Vac	112W (typical)
	Power Termination	5m flying mains cable (bottom access unless top access option taken).
Controller	Type	Infotec CVA3 x86 PC – Quad core N4200 Apollo Lake processor 64Gb – SATA SSD / 4Gb DDR3
	O/S	Linux – (Railpoint OS)
Communication	Interface	10/100BaseT Ethernet, RS485 GSM - 3G and 4G (Network Device)
	Termination	1x 5m Cat5E RJ45 flying cable
	Touchscreen	PCAP – Multi-touch
Features & Diagnostics	Brightness/Power Control	Software control & ambient light sensor
	Temperature Monitor	Internal temperature monitoring and control
	Operational Rating	24 hours-a-day, 365 days-a-year continuous operation
	Power Supply	TFT panel and backlight voltages monitored
	Assist guardian	Infotec amGuard (contact for more information)
	Panel Failure	Panel facing sensor for panel failure detection
Approvals	EMC	Rail standards EN61000 parts 6-4:2007, 6-2 , 3-2:2014, 3-3:2013 & 6-2:2005/EN50121-4:2016
	Low Voltage Directive	Meets relevant parts of EN62368-1:2006 & EN60950-22
	PRM TSI compliance	Yes (character height dependent)
	Warranty	2 years (or other options available on request)
	NR Approvals	0111/121102

PART NUMBERING SCHEME	
TP	TFT poster range
43	Diagonal size active area
P	Portrait aspect ratio
OPTIONS	
-G	SIM enabled wireless interface
-S	Sub-surface compliant (Low toxicity: LUL Section 12)
-K	Touchscreen
-F	NFC Reader
/PC	X86 – PC variants
Other	Client branding option

Optional Antenna.

PCAP - Multi-touch

Cover caps fitted after unit is mounted.

649

62

531,42 Visible Area

1250

730

943,2 Visible Area

NFC Reader Option.

Control equipment access panel.

Power and Data Flying lead outlets.

FRONT VIEW

SIDE VIEW

Infotec at the heart of
the UK rail network

RailPoint.

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