FUJITSU

Datasheet
Fujitsu TP8 15" & 18.5" Capacitive Touchscreen Displays

- Ten Point Projected Capacitive Multi-Touch technology
- Bright LED backlit display with integrated powered speakers
- Common display module with TP8 AIO for flexible upgrades and simpler maintenance

Introduction

The **TP8** 15" and 18.5" LCDs are bright touch-enabled displays designed to complement the styling of the TP8 range of All-in-One (AIO) and modular Point of Service systems. Integrated stereo speakers allow the display to provide a full multi-media experience.

Both displays utilise a common LCD control module with separate LCD panel, which can be simply swapped for upgrade or maintenance. The panels are also the same as those used in the **TP8** AIO system to provide for maximum flexibility and lower service costs.

Whilst primarily designed for use with **TP8** Modular and AIO systems, they can also be used with any PoS controller or standard PC systems, to provide a stylish and robust Operator or Customer display.

The use of two full-screen displays at the checkout or service counter is a great way to expand the promotional capabilities in a retail setting, as well as improve customer service and satisfaction by displaying a full rolling receipt, or other promotional messages.

The **TP8** displays incorporates a ten-point multi-touch projected capacitive sensor. This provides for a bright display and enables a user, with appropriate application and operating system support, to manipulate an image on screen with a range of gestures similar to those employed on the latest generation of smartphones and tablets. It is also fully compatible with the latest generation of operating systems with integrated touch-panel support.

The optional dual-hinge display stand enables the height and angle of the display to be simply adjusted for optimum ergonomics at the point of service. Cable management is fully integrated into the stand to hide all cables and route them through or onto the counter-top. Attachment of the display to the stand is via a single thumbscrew. Alternatively, the displays can be independently wall or pole mounted using a standard VESA 100 adaptor plate.

Display configuration:

15" 4:3 or 18.5" 16:9 Projected Capacitive touchscreen with integrated speakers and anti-glare coating.

The display can be installed on a standard VESA 100mm mount, or can be used with the optional dual-hinge desktop stand as shown in the pictures.

An integrated cable cover on the desk-stand is used to hide power and interface cables to route them into the counter, or to exit onto the counter-top.

Display data is provided via a digital DisplayPort interface.

A single powered USB cable is made available to enable the display to be powered and data to be communicated from a 12V powered USB port on the host controller.

An optional three-track Magnetic Stripe Reader is available which may be mounted on the left or right of the display.

Features

- TP8-15P – 15.0" 1024 x 768 resolution, 4:3 aspect ratio
- TP8-18P – 18.5" 1366 x 768 resolution, 16:9 aspect ratio
- Projected Capacitive 10 point touch with gesture support
- Bright 500 Cd/m^2 typical brightness
- Low-power, long life LED backlight

Features

- Wide viewing angle with anti-glare coating
- Single 12V Powered USB connector for power and touch interface
- Stereo speakers with integrated amplifier
- Optional three track Magnetic Stripe Reader
- Desktop or VESA mount

Technical Details

TP8-D15A, TP8-D15PA, TP8-D18WP Displays

General Specifications

LCD Panels	**TP8-D15A/D15PA:**	**Active matrix TFT colour + Anti-Glare**
	Size:	15 inch diagonal screen size
	Display area:	304mm W x 228mm H
	Aspect ratio:	4:3
	Resolution:	XGA 1024 x 768 pixels
	Brightness:	500 Cd/m^2
	Contrast Ratio:	2,500:1
	Viewing angle:	176° Horizontal, 176° Vertical
	Response time:	7ms
	Backlight:	Extra long-life LED - 70,000 hours to half-brilliance
	TP8-D18WP:	**Active matrix TFT colour**
	Size:	18.5 inch diagonal screen size
	Display area:	410mm W x 230mm H
	Aspect ratio:	16:9
	Resolution:	WXGA 1366 x 768 pixels
	Brightness:	300 Cd/m^2
	Contrast Ratio:	1,000:1
	Viewing angle:	170° Horizontal, 160° Vertical
	Response time:	3.5ms
	Backlight:	Long-life LED - 50,000 hours to half-brilliance
	Common across both displays:	
	Bezel:	Flat – Zero bezel design
	Colours:	16.7M (8 bit)
	Stand Tilt:	-5° to 90°
Input Signals	**Video:** Digital DisplayPort and HDMI **USB:** Supports touchscreen and optional MSR with internal ports	
Multimedia	Speakers: 2x 1.5W integrated into the bottom edges of the display	
IO Connectors	Digital DisplayPort and HDMI 12V Powered USB for display power and touch 12V Powered USB for display power and touch data interface on one cable (includes Standard USB type – A connector) Internal USB header on left and right hand sides for optional MSR	

User Controls	Menu: display the menu pages (Contrast, Brightness, Volume, Mute, Input Select, Display mode, OSD Off-Time, Language, and Reset)
Touchscreen	Projected Capacitive on TP8-Dxx**P** models 10 point touch with gesturing
Environmental	Anti-reflective hardened plastic filter IP53 on front 0° to 40° C (32°F to 104°F) operation 10-95% Humidity
Colour	Fujitsu Black with Silver trim
Stand & Mounting Options	Desktop stand with quick release: Dual hinge, height adjustable with 0° to 150° tilt and integrated cable routing VESA mount (100mm x 100mm)
Dimensions without Stand	D15: 367mm W x 56mm D x 301mm H D18: 471mm W x 56mm D x 302mm H
Power Consumption	Operational: **D15PA** <12.8W, **D18WPA** <18.2W Standby: <3W
Option	3 track MSR for left or right-hand mounting
Certifications	FCC, CCC, VCCI, CE, CB, UL, C-Tick ROHS, WEEE and REACH Compliant