Datasheet
Fujitsu TP8 All-in-One Point of Service Terminal

- Superior Performance with Intel 6th & 7th Generation Processors and fast M.2 PCIe NVMe SSD storage
- Versatile All-In-One PoS Terminal, with field swappable LCD panels (15”, 18.5”) and PC module
- Super Sleek AIO suits any counter on adjustable stand, or with built-in VESA pole-mount support
- Highly Reliable and Serviceable: External access to memory and storage; quick release from stand
- Maximum Flexibility - Common design for same software image on TP8 AIO and TP8 Modular PoS

INTRODUCTION
Fujitsu’s new TP8 All-In-One (AIO) PoS terminal is a next generation point-of-sale solution for retailers who want the best performance, functionality, reliability, serviceability, and maximum ROI to create an attractive world-class shopping environment.

The TP8 with Intel 6th Generation “Skylake” CPUs, from Celeron to Core i5 models; protects investments in Windows 7 & 8.x environments with migration to Windows 10. The TP8 with 7th Generation “Kaby Lake” CPUs up to Core i5, provides maximum Windows 10 performance. With up to 32GB RAM, options for 2.5” SATA3 heritage drives and the new, ~3x faster M.2 PCIe NVMe SSD drives, the TP8 is a future-proof PoS platform, or even a genuine store server. The TP8 combines leading performance, peripheral and network connectivity in a super sleek package.

The TP8 PoS is a family of AIO and Modular systems, sharing key parts so the same software image runs on both, for flexible deployment and reduced support costs. The TP8 is one of the most modular AIOs available, with easily field-swappable LCDs (15”, 18.5”) and PC module, further reducing support costs and simplifying migration to future modules and technology – all while extending the life of existing components like the LCD.

The sleek and stylish design of the TP8 AIO has modern styling that easily blends with a range of retail environments - from fashionable and sophisticated to extremely rugged. The dual-hinge stand enables flat-folding for clean counters, adjustability to suit variable height operators and 150º tilting from vertical to past horizontal for easy cable/connector access, whilst hiding cables for best aesthetics and security. Retailers want the flexibility of a single platform that supports multiple in-store touch points, reducing installation and service costs, and providing fast, easy customer transactions for the ultimate shopping experience. The TP8 AIO installs easily on counter-top, pole, wall-mount and in kiosks.

The TP8 continues the TeamPoS tradition of superior quality and reliability. Intelligent power management and advanced thermal designs, including blade-server heatsink and fan, ensure cool reliable operation in the harshest retail conditions. High quality drives protect data and boost uptime, e.g. 1x 2.5” SATA3, or up to 2x M.2 PCIe SSDs with RAID1 mirroring. The TP8 is easy to service with fast tool-free access to many key parts and a screwdriver to access the rest, e.g. external access to RAM and storage, thumbscrew removal of AIO from stand. Support for Intel Active Management Technology (AMT), vPro and SMBIOS enables remote management by leading enterprise suites.

Customer-focused applications such as registration, promotions, and loyalty programs can be deployed easily with the TP8 AIO customer-facing display that can be integrated or dispersed for maximum flexibility. Fujitsu offers a full set of leading-edge PoS peripheral options that have gone through extensive compatibility and reliability testing to maximize system scalability and flexibility. This robust peripheral portfolio gives retailers the ability to extend the useful life of the TP8 AIO through incremental modifications as business requirements change.

High Performance and Connectivity:

- Latest Intel® processors, Celeron to Core i5; Q170 chipset
- 32GB RAM max. 2x high speed DDR4 50-DIMM
- Up to 2x M.2 PCIe NVMe SSD, up to 3x faster than SATA3
- 1 x 2.5” bay for optional SATA3 drive
- Gigabit LAN. Optional dual-band Wireless LAN
- Peripheral Ports: 2x Video, 10 USB (6x5V, 3x12V, 1x24V), 1x Serial DB9 0/5/12V, Audio, Cash Drawer

Versatility:

- Sleek contemporary design
- Counter-top and VESA options available
- 15” and 18.5” modular PCap Touch LCD (field swappable)
- Open architecture; wide operating system support

Green:

- Processor and LED backlight power-saving modes
- Efficient power supply supporting multiple peripherals
- Green recyclable materials: WEEE & ROHS compliant
- Eco-friendly packaging and minimal documentation

Reliability, Serviceability, Manageability:

- Secure data with long-life SSDs or HDDs & RAID support
- External access to memory and storage for fast repair
- LCD and PC Module are field replaceable, lower servicing costs and preserving components during future upgrades
- Remote management support (AMT, vPro, SMBIOS)
Technical Details

TP8 AIO

General Specifications

**Processor options**

Intel® 6th Generation “Skylake” supporting Windows 7, 8.x and 10:
- Core i3-6100TE, 35W, 2.7GHz, 2 core / 4 threads, 4MB, Standard Manageability
- Core i5-6500TE, 35W, 3.2GHz, 4 core / 4 threads, 6MB, AMT & vPro

Intel® 7th Generation “Kaby Lake” 35W, supporting Windows 10 only:
- Core i3-7101TE, 35W, 3.4GHz, 2 core / 4 threads, 3MB, Standard Manageability
- Core i5-7500T, 35W, 2.7-3.3GHz, 4 core / 4 threads, 6MB, AMT & vPro

**Chipset**

Intel® Q170 Express, Intel Active Management Technology (Intel® AMT v11.6) & vPro on Core i5, TPM v2.0

**Operator Display**

15” 4:3 (1024x768) and 18.5” 16:9 (1366x768) LCD size options, with Projected Capacitive Multi-Touch. Bright 500cd/m² 15” LCD panel.

**Memory**

4GB DDR4 memory in all base models. 32GB max supported; 2 slots total.
Optional 4GB, 8GB and 16GB modules

**BIOS**

AMI uEFI BIOS with Remote BIOS Flash

**Audio**

AC97-compliant high-definition audio

**Graphics**

Integrated Intel high-definition graphics controller

**Connectivity**

High-speed Gigabit LAN RJ-45 10/100/1000 Mbps with Wake On LAN.

**System Management**

Intel Active Management Technology (AMT) & vPro, Desktop Management Interface (DMI), Pre-boot Execution Environment (PXE), Advanced Power Management (APM), Advanced Configuration and Power Interface (ACPI), Wake on LAN (WOL), System Management BIOS, TPM v2.0

**Colour**

Black

**Dimensions**

14.8” (W) x 2.6” (D) x 12.4” (H) | 367.6mm (W) x 67mm (D) x 315.8 (H) (width and depth with counter-top base with 15” display; depth is AIO head unit only)

**Weight**

24 lb | 10.9 Kg

**Certifications**

FCC, CSA, RSM, CE (TBD); CCC (TBD), VCCI (TBD), EAC

**Green Compliance**

WEEE, ROHS

Peripheral Options

Supports all popular standard retail peripherals

**AIO Mounting**

Countertop Stand, dual hinge for excellent adjustability, with connector & cable covers. 3rd party VESA stands also.

**Connectivity**

Wireless LAN 802.11 b/g/n/ac dual-band USB dongle with Wake On LAN

**Customer Display**

Optional 15” colour customer-facing LCD, XGA 1024x768.
Bright LCD panel: Non-Touch 500cd/m², PCap Touch 450cd/m²
Optional 10.1” colour non-Touch / PCap Touch LCD 1280 x 800 400cd/m² DisplayLink USB interface

**Customer VFD**

Alpha-numeric (20 digits x 2 lines) 245 (W) x 40 (D) x 100 (H) mm non-integrated pole mount (tilt/swivel)

**Printers**

Fujitsu FP-2000/2100/2200, FP510II or Epson: TM-T88V/V1

**Keyboards**

Fujitsu 133-key keyboards and Fujitsu 110-key keyboards

**MSR**

3-Track Magnetic Stripe Reader (MSR)

**Cash Drawers**

Standard, Compact and Flip-Top

Software

**Operating Systems**

Standard: POSReady7 32/64bit, Windows 10 IoT Ent. 2016 LTSB Value 64bit
For projects: Windows 7 Pro 32/64bit, Windows8.1, SUSE Linux v12 64bit

**APIs**

Supports UPOS 1.14 (OPOS, JPOS) and ESC-POS based applications.

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