

Data Sheet

Fujitsu TP8 Model Mxxx Modular PoS

The next generation in PoS technology

- Superior performance/dollar with Intel® 6th and 7th Generation Processors and the fastest PCIE NVME SSD storage
- Huge scalability from entry to high-end - supermarket, specialty, postal, fuel and convenience stores
- Ultra-compact to fit in any environment, yet supports up to 18x USB and 3x Serial ports
- Highly reliable and serviceable: External access to storage, fast tool-free access to most parts
- Maximum flexibility - Common design supports same software image on TP8 AIO and TP8 Modular PoS
- Low TCO over a reliable 10+ years service Life, 5+ Years' product life plus extra 5+ years service life

Introduction

The new Fujitsu TP8 Modular Box PoS 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 Model M6xx with Intel® 6th Generation "Skylake" CPUs, from Celeron® "M610" to Intel® Core™ i5 "M650"; protects investments in Windows® 7 and Windows 8.x environments with migration to Windows 10. The TP8 Model M7xx with 7th Generation "Kaby Lake" CPUs up to Intel® Core™ i5 "M750"; gives maximum Windows 10 performance. With up to 32 GB RAM, options for up to 2x hot-pluggable 2.5" SATA3 heritage drives, or 2 of 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 market-leading performance, peripheral and network connectivity in an ultra-compact and highly cost-effective package.

The TP8 family of AIO and modular systems share key components so the same software image runs on both, for flexible deployment and reduced support costs. The TP8 Modular is hugely scalable with entry-spec including 3x video, 12x USB, 1 serial port, and optionally an extra 6x USB and 2x serial. The 300W power supply ensures the most demanding supermarket, postal and fuel/convenience stores can connect and power all peripherals.

The compact TP8 Modular and sleek TP8 AIO have modern aesthetics that easily blend with a high range of retail environments - from fashionable and sophisticated to extremely rugged. 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 interactive retail shopping experience.

The TP8 Box continues the TeamPoS® tradition of superior quality and reliability. Intelligent power management and advanced thermal designs, ensure cool reliable operation in the harshest retail conditions. High quality drives protect data and boost uptime, with dual-drive RAID1 data security supported on M.2 PCIE SSDs and 2.5" SATA3 drives, with hot-plug support on the 2.5" drives. The TP8 Modular is easy to service with fast tool-free access to many parts and a screwdriver to access the rest, e.g. external access to storage, thumb-screw opening of chassis. Intel® Active Management Technology (AMT), Intel® vPro™ and SMBIOS enable remote management by leading enterprise suites.

Customer-focused interactive touch applications such as registration, promotions, and loyalty



programs can be deployed easily with the *TP8* customer-facing dispersed display. 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* Modular through incremental modifications as business requirements change. Importantly, the *TP8* modular LCD design means the same LCD used on the AIO, with rear PC module, is also used on the dispersed LCD deployed with the *TP8* Modular, dramatically reducing sparing and servicing costs but with increased future-proofing.

High Performance and Connectivity:

- Latest Intel® processors, Celeron to Core i5; Q170 chipset
- 32GB RAM max. 2x high speed DDR4 SO-DIMM
- Up to 2x M.2 PCIe NVME SSD, up to 3x faster than SATA3
- 2x 2.5" SATA3 drive bays, hot-plug RAID1 capable
- Gigabit LAN. Optional WLAN, WWAN (region dependent)
- Ports: Min. 3 video, 12 USB (8x5V, 3x12, 1x24), 1 Ser DB9 0/5/12V, audio, cash drawer. optional +6 USB +2 serial.

Versatility:

- Ultra-compact and scales to maximum functionality
- SW Image compatible with *TP8* AIO, deploy anywhere
- Open architecture; wide operating system support

Green:

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

Reliability, Serviceability, Manageability:

- Secure data with long-life SSDs or HDDs. RAID support
- External access to storage for fast upgrade or repair
- Remote-management support (AMT, Intel® vPro™, SMBIOS)

Technical details

Fujitsu recommends Windows.

General Specifications

Processor	Intel® 6th Generation "Skylake" 65W, supporting Windows 7, 8.x and 10 : <ul style="list-style-type: none"> ■ M610: Intel® Celeron® G3900TE 2.3GHz, 2 core / 2 threads, 2MB, No AMT ■ M650: Intel® Core™ i5-6500TE 2.3-3.3GHz, 4 core / 4 threads, 6MB, AMT and Intel® vPro™ Intel® 7th Generation "Kaby Lake"
Chipset	Intel® Q170 Express, Intel® Active Management Technology (Intel® AMT v11.6) and Intel® vPro™ on Intel® Core™ i5, TPM v2.0
Operator Display	15" 4:3 and 18.5" 16:9 LCD size options, with Projected Capacitive Multi-Touch Gesturing
Memory	4GB memory in all base models. 32GB max supported; 2 slots total. Optional 4GB, 8GB and 16GB modules
BIOS	AMI µEFI 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
Storage	Standard 2.5" SATA3: 1-2x 128 / 256GB SSD or 1-2x 500GB HDD. Hot-Plug RAID1 capable with 2 of same drives. Optional: 1-2x M.2 PCIe NVME SSD 128 or 256GB w/ RAID 0/1 with 2 of same drives
I/O Ports	Base IO: 12 USB (6x 5W USB 3.1 gen1 (2 front), USB2: 2x5V, 3x12V, 1x24V), 1 DB9 0/5/12V, 2x DisplayPort, 1 VGA 1x Cash Drawer RJ12 (Y-cable for 2nd drawer), line out, mic in. Extension IO option: 6x USB (USB2: 2x5V, 4x12V), 2x Serial DB9 0/5/12V
Power Supply	300W
System Management	Intel Active Management Technology (AMT) and Intel® 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
Color	Black
Dimensions	11 3/8" (W) x 9" (D) x 3 15/16" (H) / 289mm (W) x 230mm (D) x 100mm (H) - Depth is 11 3/4" / 298mm when rear connector protection pegs are in place.
Weight	9.2 lb / 4.17 kg
Certifications	FCC, CSA, RCM, CE, TUV
Green Compliance	WEEE, ROHS
Options	Supports all popular standard retail peripherals
Connectivity	Wireless LAN 802.11 a/b/g/n with Micro USB Adapter
Customer Display	Optional 15" color customer-facing LCD, XGA 1024x768. Non-Touch 400cd/m ² , PCap Touch 500cd/m ²
Customer VFD	Alpha-numeric (20 digits x 2 lines) 245 (W) x 40 (D) x 100 (H) mm non-integrated pole/remote mount (tilt/swivel)
Printers	Epson®: TM-H6000, TM-H2000, TM-T88, TM-T70. Fujitsu CT-11, FP-2000
Keyboards	Fujitsu 133-key keyboards
MSR	3-Track Magnetic Stripe Reader (MSR)
Cash Drawers	Standard, Compact and Flip-Top
Software	
Operating Systems	POSReady 7 32/64bit, Windows 7 Pro 32/64bit, Windows 8.1, Windows 10 IoT Ent. 2016 LTSB Value, SUSE® Linux® 12
API's	Supports UPOS 1.14 (OPOS, JPOS) and ESC-POS based applications

About Fujitsu Americas

Fujitsu recommends Windows.

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Fujitsu retail solutions

Point-of-Sale Peripherals

Fujitsu offers a full range of peripherals designed for ultimate serviceability and manageability. We've combined user-friendly design with best-of-breed hardware to create the components you need to keep your operations running smoothly.

Point-of-Sale Hardware

Fujitsu point-of-service solutions come in a variety of form factors including compact all-in-one and traditional POS controllers. All are highly configurable to ensure the ideal feature/functionality/price fit for each retailer's unique requirements. TeamPoS® systems meet the demanding needs of today's store operations, from standalone point-of-sale to mission-critical applications.

Self-Checkout Systems

The U-Scan SCO line offers retailers flexibility, scalability, reliability, and usability. Advanced features of U-Scan Genesis® SCO include ATM-style "follow me" LED lighting, and "above scanner" bill and coin accepting/dispensing. U-Scan Mini-Express and Fujitsu Impulse™ stations offer sleek design, smaller footprint, card-only options.

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Fujitsu green policy innovation

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