

# 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' make plus extra 5+ years' service

### 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

<b>Processor</b>	Intel® 6th Generation "Skylake" 65W, supporting Windows 7, 8.x and 10 : <ul style="list-style-type: none"> <li>■ M610: Intel® Celeron® G3900TE 2.3GHz, 2 core / 2 threads, 2MB, No AMT</li> <li>■ M650: Intel® Core™ i5-6500TE 2.3-3.3GHz, 4 core / 4 threads, 6MB, AMT and Intel® vPro™</li> </ul> Intel® 7th Generation "Kaby Lake"
<b>Chipset</b>	Intel® Q170 Express, Intel® Active Management Technology (Intel® AMT v11.6) and Intel® vPro™ on Intel® Core™ i5, TPM v2.0
<b>Operator Display</b>	15" 4:3 and 18.5" 16:9 LCD size options, with Projected Capacitive Multi-Touch Gesturing
<b>Memory</b>	4GB memory in all base models. 32GB max supported; 2 slots total. Optional 4GB, 8GB and 16GB modules
<b>BIOS</b>	AMI µEFI BIOS with Remote BIOS Flash
<b>Audio</b>	AC97-compliant high-definition audio
<b>Graphics</b>	Integrated Intel high-definition graphics controller
<b>Connectivity</b>	High-speed Gigabit LAN RJ-45 10/100/1000 Mbps with Wake On LAN
<b>Storage</b>	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
<b>I/O Ports</b>	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
<b>Power Supply</b>	280W
<b>System Management</b>	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
<b>Color</b>	Black
<b>Dimensions</b>	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.
<b>Weight</b>	9.2 lb / 4.17 kg
<b>Certifications</b>	FCC, CSA, RSM, CE (TBD), CCC (TBD), VCCI (TBD)
<b>Green Compliance</b>	WEEE, ROHS
<b>Options</b>	Supports all popular standard retail peripherals
<b>Connectivity</b>	Wireless LAN 802.11 a/b/g/n Mini PCIe Card with Wake On LAN
<b>Customer Display</b>	Optional 15" color customer-facing LCD, XGA 1024x768. Non-Touch 400cd/m <sup>2</sup> , PCap Touch 350cd/m <sup>2</sup>
<b>Customer VFD</b>	Alpha-numeric (20 digits x 2 lines) 245 (W) x 40 (D) x 100 (H) mm non-integrated pole/remote mount (tilt/swivel)
<b>Printers</b>	Epson®: TM-H6000, TM-H2000, TM-T88, TM-T70. Fujitsu CT-11, FP-2000
<b>Keyboards</b>	Fujitsu 133-key keyboards and Fujitsu 110-key keyboards
<b>MSR</b>	3-Track Magnetic Stripe Reader (MSR)
<b>Cash Drawers</b>	Standard, Compact and Flip-Top
<b>Software</b>	
<b>Operating Systems</b>	POSReady 7 32/64bit, Windows 7 Pro 32/64bit, Windows 8.1, Windows 10 IoT Ent. 2016 LTSB Value, SUSE® Linux® 12
<b>API's</b>	Supports UPOS 1.14 (OPOS, JPOS) and ESC-POS based applications

# About Fujitsu Americas

**Fujitsu recommends Windows.**

Fujitsu America, Inc. is the parent and/or management company of a group of Fujitsu-owned companies operating in North, Central and South America and Caribbean, dedicated to delivering the full range of Fujitsu products, solutions and services in ICT to our customers in the Western Hemisphere. These companies are collectively referred to as Fujitsu Americas. Fujitsu enables clients to meet their business objectives through integrated offerings and solutions, including consulting, systems integration, managed services, outsourcing and cloud services for infrastructure, platforms and applications; data center and field services; and server, storage, software and mobile/tablet technologies. For more information, please visit: [www.fujitsu.com/us](http://www.fujitsu.com/us) and <http://twitter.com/fujitsuamerica>

## 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.

## Disclaimer

Technical data are subject to modification and delivery subject to availability. Any liability that the data and illustrations are complete, actual or correct is excluded. Designations may be trademarks and/or copyrights of the respective manufacturer, the use of which by third parties for their own purposes may infringe the rights of such owner.

## Fujitsu green policy innovation

Fujitsu Green Policy Innovation is our worldwide project for reducing burdens on the environment. Using our global know-how, we aim to resolve issues of environmental energy efficiency through IT. Please find further information at: [www.fujitsu.com/global/about/environment/](http://www.fujitsu.com/global/about/environment/)



## Copyright

Fujitsu and the Fujitsu logo are trademarks or registered trademarks of Fujitsu Limited in the United States and other countries. TeamPoS is a trademark or registered trademark of Fujitsu Frontech North America Inc. in the United States and other countries. Intel, Celeron, Intel Core and vPro are trademarks or registered trademarks of Intel Corporation or its subsidiaries in the United States and other countries. Windows is either a registered trademark or trademark of Microsoft Corporation in the United States and other countries. Linux is a trademark or registered trademark of Linus Torvalds in the United States and other countries. Epson is a trademark or registered trademark of Seiko Epson Corporation in the United States and other countries. SUSE is a trademark or registered trademark of Novell, Inc., in the United States and other countries. All other trademarks referenced herein are the property of their respective owners.

The statements provided herein are for informational purposes only and may be amended or altered by Fujitsu America, Inc. without notice or liability. Product description data represents Fujitsu design objectives and is provided for comparative purposes; actual results may vary based on a variety of factors. Specifications are subject to change without notice.

Copyright© 2017 Fujitsu America, Inc.  
All rights reserved.  
FPC65-7714-02 04/17  
17.0410.0427bh

## Contact

FUJITSU AMERICA, INC.  
Address: 1250 East Arques Avenue Sunnyvale, CA 94085-3470, U.S.A.  
Telephone: 800 831 3183 or 408 746 6000  
Website: [www.fujitsu.com/us](http://www.fujitsu.com/us)  
Contact Form: [esupport.shopfujitsu.com/support/preSalesWebForm.jsp](http://esupport.shopfujitsu.com/support/preSalesWebForm.jsp)

Have a question? Email us at: [AskFujitsu@us.fujitsu.com](mailto:AskFujitsu@us.fujitsu.com)