

## TCxWave

Today's retailers understand that sustainable success depends on delivering a consistent and differentiated brand experience throughout the customer journey. Nowhere is this more important than the place where the majority of transactions are still carried out: the store.

Retailers need point of sale (POS) technology that can support the versatility, style and functionality that a modern store environment demands. That can adapt easily to the changing demands of customers. That can bring new impact to the customer experience. And that can give timely, consistent service to consumers and associates throughout the shopping journey.

TCxWave by Toshiba is a new breed of retail system created to give retailers the freedom to use one platform for multiple purposes throughout the store. TCxWave has the flexibility, performance and distinctive design that global retailers have come to trust from the team that continues to produce the Number 1 store solutions in the industry.

### Giving point-of-sale a place of pride

TCxWave by Toshiba delivers a unique and engaging experience for associates and customers that puts it in a class of its own. Fully functional as a point-of-sale, kiosk or self-service unit, the TCxWave can be positioned in the most logical and advantageous locations without fear of compromising the in-store experience. Developed by award-winning industrial designers, its striking appearance means retailers need no longer hide the POS away in the back of the store but can sit it proudly where it's needed most. Indeed the sleek design of TCxWave means it can play a central role in delivering a consistent and positive brand image and experience throughout the whole store.

**TOGETHER  
COMMERCE**

### Highlights

- Attractive design complements the brand experience
- Screen size choices, including standard and wider screen options, bring new interaction opportunities
- Versatile configuration enables a seamless brand look and customer experience
- Intuitive, quick-to-learn touch technology maximizes associate productivity
- Retail-hardened design and robustness delivers reliability in mission-critical store environments

## Product Overview



### Distinctive design

- TCxWave by Toshiba's stylish design is based on a distinctive profile that reflects the "thin is in" style of modern consumer electronics: TCxWave is our slimmest POS or kiosk ever.
- The multi-touch, gesture-based screen is as easy and familiar to use as a smartphone.
- The widescreen format—the widest format on the market—means associates and customers can see more and do more.
- The standard screen format is available for environments where space is at a premium.
- Human factor features include right/left-hand card-swiping and maximum flexibility in possible viewing angles and heights.



### Unmatched versatility

- TCxWave can be deployed as a POS, self-service or kiosk.
- Its versatility protects the investment of retailers whose store environment may evolve over time.
- TCxWave by Toshiba's unique design and functionality fit virtually every store setting.

### Reliable and robust

- TCxWave features the kind of retail-hardened design and durability you would expect from the world leader in in-store technology.
- Antiglare screen protection means top performance even in the most demanding environments.
- Solid-state drive options ensure dependable performance at the crucial point of transaction.



Countertop configuration with optional stand.

## Product Overview



Kiosk configuration landscape viewing



Multiple viewing angles and heights



Kiosk configuration portrait viewing



Optional MSR and/or customer display

## Specifications

TCxWave Technical Specifications	6140-A30, A3R, E30, E3R	6140-100,10D, E10, E1D, EP1	6140-120, 12D, E20, E2D, EP2
Processor (clock speed, cache)	Intel Celeron Quad Core J1900 (2 GHz, 2M)	Intel Celeron 847e (1.10 GHz, 2M)	Intel Core i3-3217UE (3M Cache, 1.60 GHz)
Chipset	Intel J1900	Intel HM65PCH	Intel HM65PCH
BIOS	AMI	AMI	AMI
Memory*,†	DDR3 1333 MHz 2 GB Standard 8 GB Max	DDR3 1066 MHz 2 GB Standard 8 GB Max	DDR3 1066 MHz 2 GB Standard 8 GB Max
Video	Intel Integrated Graphics (DisplayPort output)	Intel Integrated Graphics Device (DisplayPort output)	Intel Integrated Graphics Device (DisplayPort output)
Touch	Projected Capacitive Touch Technology 5 point multi-touch	Projected Capacitive Touch Technology 5 point multi-touch* (Hardware Support Statement)	Projected Capacitive Touch Technology 5 point multi-touch* (Hardware Support Statement)
Screen	15 in 4:3, LED back-lit LCD	18.5 in. 16:9 LED back-lit LCD	18.5 in. 16:9 LED back-lit LCD
Audio	Optional Speaker kit	Internal PC beeper†	Internal PC beeper†
Storage	Up to 2x Solid State Drives, available in 64 GB or 128 GB	(1) Solid State Drive, available in 64 GB or 128 GB option	(1) Solid State Drive, available in 64 GB or 128 GB option
Ethernet	10/100/1000 MB	10/100/1000 MB	10/100/1000 MB
I/O Ports on Head	(3) USB 2.0,(1) USB 3.0, (2x) RJ45 RS232*, (1) DisplayPort, (1) 10/100/1000 Ethernet, Side access ports: (1) Audio Jack, (1) USB 2.0 *BIOS can configure RS232 as powered or standard	(3) PC USB 2.0, (1) 10/100/1000 Ethernet, (1) DisplayPort, Side access port: (1) PC USB 2.0	
I/O Ports on Dockable Base	(1) 24 V Powered USB 2.0, (3) 12 V Powered USB 2.0, (3) PC USB 2.0, (1) 10/100/1000 Ethernet, (1) DisplayPort		
I/O Ports on optional POS Hub	1) 24 V Powered USB 2.0, (1) 24 V Cash Drawer Port, (4) 12 V Powered USB 2.0		
Optional integrated I/O	iButton (plugs into side USB access) 2x20*, MSR*, * Additional USB 2.0 port included on module if one or both of these options selected	2x20*, MSR* *Additional USB 2.0 port included on module if one or both of these options selected	
Trusted Platform Module (TPM)	No	This system contains a TPM module. The function of the module is only for safe storage of the data that is needed for authentication and protection against unauthorized access. Algorithms are, AES, symmetric, key length 128 bit, and RSA, key length 512-2048 bit	

## Product Overview

<b>TCxWave Technical Specifications</b>	<b>6140-A30, A3R, E30, E3R</b>	<b>6140-100,10D, E10, E1D, EP1</b>	<b>6140-120, 12D, E20, E2D, EP2</b>
<b>Supported Operating Systems</b>	Windows Embedded POSReady 7* Windows Embedded 8.1 Industry Pro Retail Windows 7 Professional* Windows 8.1 Professional SUSE Linux Enterprise Point of Service 12 64-bit only except where* is noted, 32-bit also supported	Windows 7 (64-bit and 32-bit), POSReady 7, POSReady 2009, 4690 Version 6.4 Enhanced Windows Embedded 8.1 Industry 64-bit Windows Embedded 8.1 Pro 64-bit Windows 8.1 Pro 64-bit	
<b>Preloads</b>	Microsoft preloaded on E30, E3R Choice of POSReady 7, Windows 7 *64-bit is standard	Microsoft preloaded on E10, E1D, EP1 Choice of POSReady 2009, POSReady 7, or Windows 7	Microsoft preloaded on E20, E2D, EP2 Choice of POSReady 2009, POSReady 7, or Windows 7
<b>Warranty</b>	A30 and E30 models provide 1 year Depot warranty A3R and E3R models provide 1 year On Site Repair Warranty	10D and E1D models provide 1 year Depot warranty 100, E10, and EP1 models provide 1 year On Site Repair Warranty	12D and E2D models provide 1 year Depot Warranty 120, E20, and EP2 models provide 1 year On Site Repair warranty

Models	TCxWave Dimensions	Height	Width	Depth	Weight
<b>A3x, E3x</b>	POS System (head mounted on base)	332.6 mm (13.10 in.)	367 mm (14.4 in.)	305 mm (12 in.)	9 kg (20 lbs)
	Head	337 mm (13.25 in.)	367 mm (14.4 in.)	76 mm (3 in.)	5 kg (11 lbs)
	Dockable POS Base	191 mm (7.5 in.)	367 mm (14.4 in.)	292 mm (11.5 in.)	4 kg (9 lbs)
<b>10x, E1x, 12x, E2x, EP2</b>	POS System (head mounted on base)	Head rotated fully forward 336.7mm (13.26 in.) Head rotated fully back 332.6 mm (13.10 in.)	470 mm (18.5 in.)	305 mm (12 in.)	10.4 kg (23 lbs)
	Head	337 mm (13.25 in.)	470 mm (18.5 in.)	76 mm (3 in.)	6.4 kg (14 lbs)
	Dockable POS Base	191 mm (7.5 in.)	470 mm (18.5 in.)	292 mm (11.5 in.)	4 kg (9 lbs)
<b>All</b>	POS Hub	78 mm (3.073 in.)	185 mm (7.289 in.)	205 mm (8.077 in.)	2.72 kg (6 lbs)

## Why Toshiba?

As the world's leading provider of integrated in-store solutions and retail insights, Toshiba Global Commerce Solutions delivers end-to-end solutions for checkout, consumer interactions and retail operations that unlock amazing new possibilities for our clients and shoppers everywhere. In partnership with the Together Commerce Alliance, our global business partner program, we help bring innovation and value to every retailing experience so that you can delight your customers every day, everywhere.

## Together Commerce

TCxWave is a key focus for Toshiba's Together Commerce vision. Together Commerce brings together every possible pathway of the retail journey, enabling customers to engage with retailers on their own terms. This fundamental shift eliminates the need to control every customer action, favoring instead a collaborative approach in which retailers and customers create mutually rewarding commerce—together.

# TOSHIBA

Leading Innovation >>>

Copyright © 2014 Toshiba Global Commerce Solutions, Inc.

Toshiba Global Commerce Solutions, Inc.  
3039 E Cornwallis Road  
Research Triangle Park, NC 27709  
U.S.A.

Printed in the United States of America  
All Rights Reserved

Toshiba and the Toshiba logo are trademarks or registered trademarks of Toshiba in the United States, other countries, or both.

The information included in this publication could include technical inaccuracies or typographical errors. All such information is provided "AS IS" without warranties of any kind, express or implied, including but not limited to the implied warranties of merchantability or fitness for a particular purpose.

Not all Toshiba products and services are available in every country. All statements regarding Toshiba's future direction and intent are subject to change or withdrawal without notice, and represent goals and objectives only.

The Toshiba Global Commerce Solutions home page on the Internet can be found at [toshibacommerce.com](http://toshibacommerce.com)



Please Recycle

## For more information

To see how TCxWave can transform your stores and give point-of-sale new pride of place, please visit:  
[toshibacommerce.com](http://toshibacommerce.com)

Additionally, Toshiba Global Commerce Solutions can help credit-qualified clients acquire the IT solutions that your business needs in the most cost-effective and strategic way possible through our global financing partner.

## References

\* MHz/GHz only measures microprocessor internal clock speed; many factors affect applications performance

† MB/GB equals one million/billion bytes when referring to storage capacity; accessibility may be less

‡ USB attached speaker needed external for audio. Support targeted for Second Half 2014