

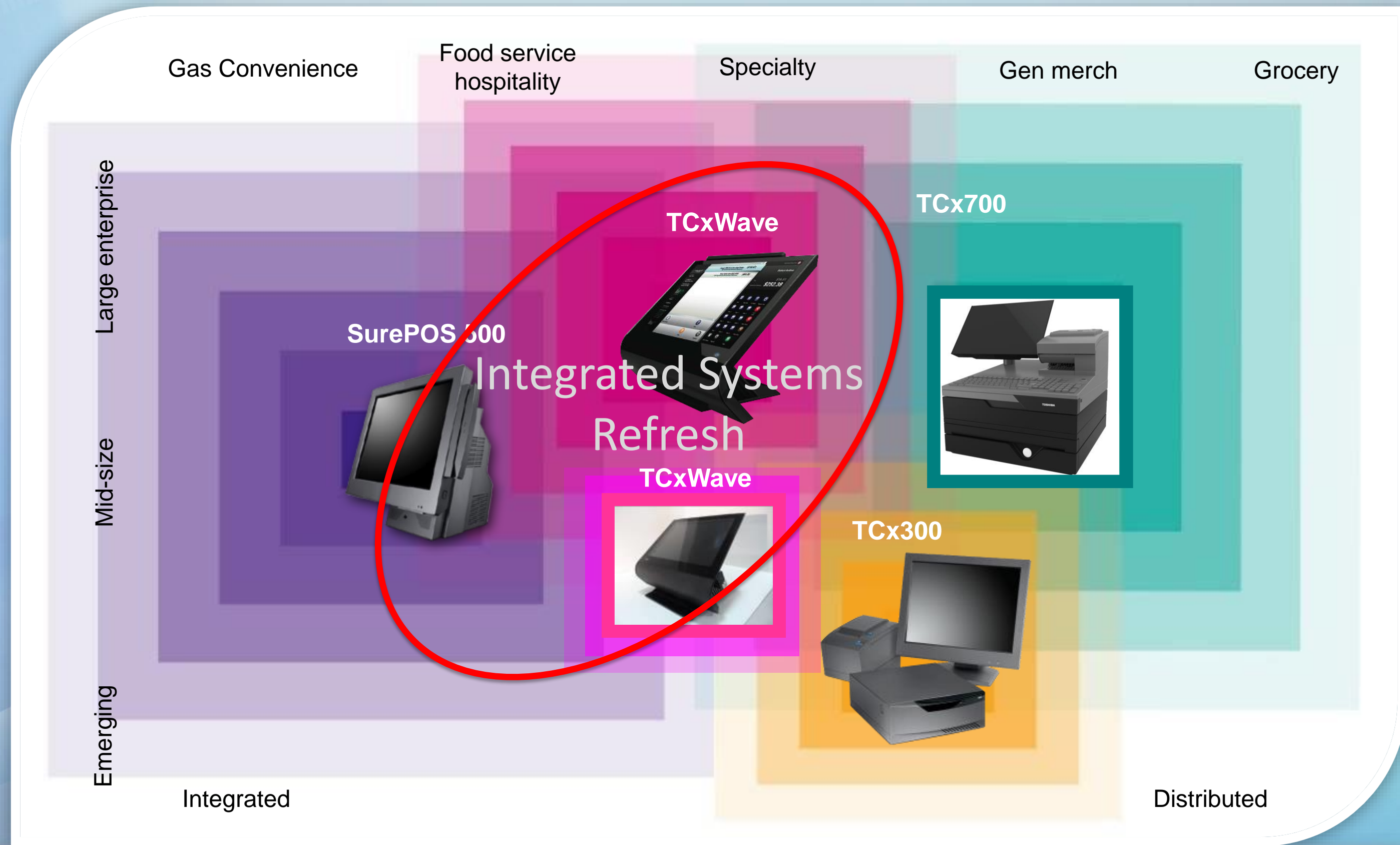
**TOSHIBA**



**CONNECT**

**THE LATEST IN  
INTEGRATED HARDWARE OFFERINGS**

# Toshiba Global Commerce POS Solutions



Toshiba will continue to invest in our Industry-leading portfolio of retail-hardened POS systems

# Integrated Systems Refresh



## Phase 1

SurePOS 500 i5 models- 580, 58D, E80 and E8D with Core i5-3550S



## Phase 2

Refresh of TCxWave- performance models available in small and wide footprint

# SurePOS 500 Specifications



## 4852-570

Intel G540	2 <sup>nd</sup> VGA
2GB DDR3 Memory Standard (16GB Max)	1x 24v, 1x 12v, 7x USB 2.0 (3x on front tablet)
15" Infrared Touch	3x standard, 1x powered
500GB SATA2 HDD or 64GB SSD (2 <sup>nd</sup> SSD available)	1x Ethernet 10/100/1000
Stereo Speakers w/Headphone & Mic port	Mic-in/line out & headphone, speakers
Express Card Expansion Slot	
Tool-less Serviceability	2 cash drawer ports
Light Path Management	
Independent Dual Video Standard	



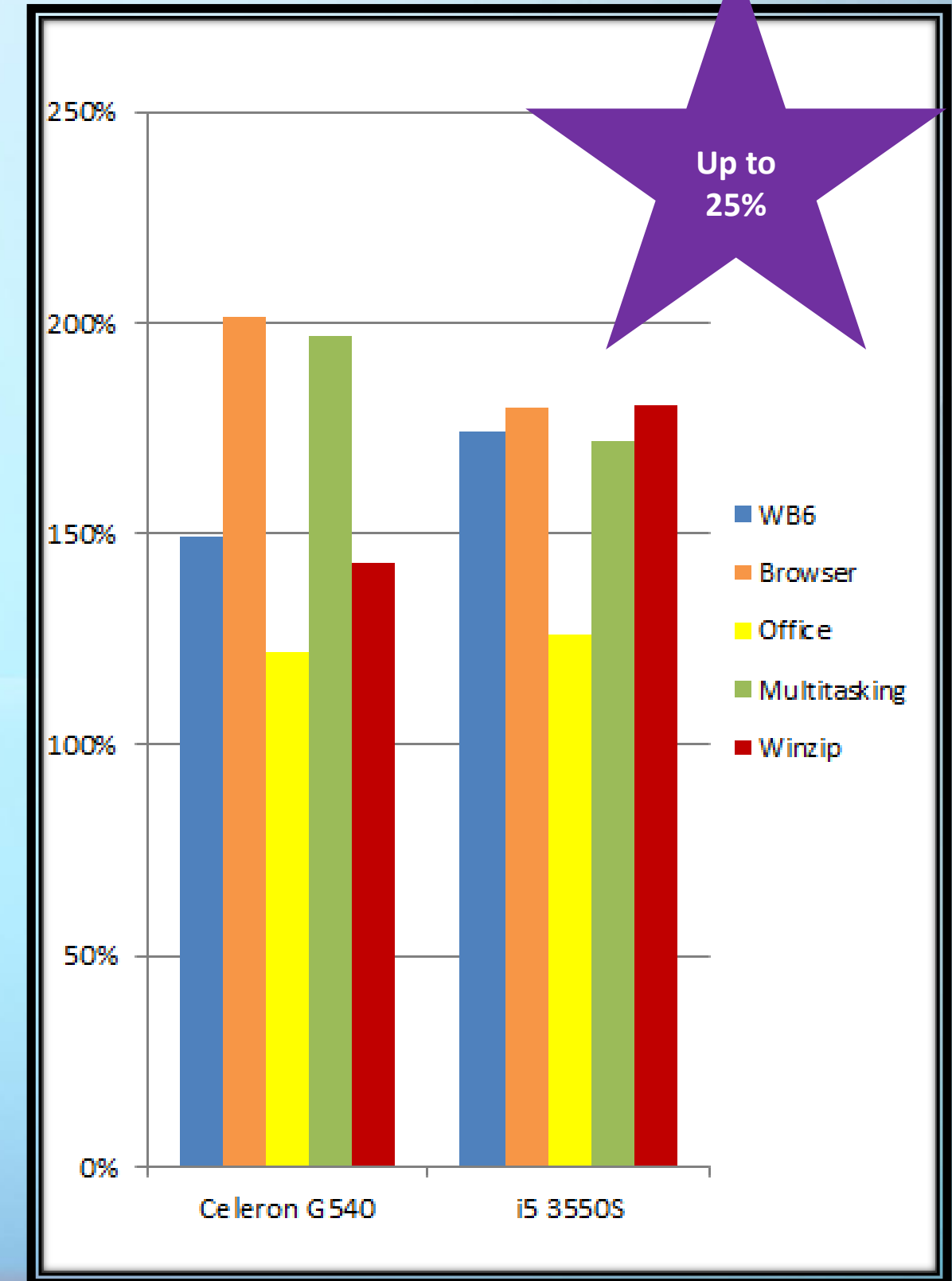
**Announce May 17, 2016**  
**Availability June 26, 2016**

**Models 580, 58D**

Core i5-3550S  
8 GB base memory  
500 GB HDD

**Models E80, E8D**

Windows7 or POSReady7 Preloaded



# Five-Star Service at the POS

“We need rapid transaction support, whether it’s at one of our coffee shops in the morning or at a s’mores campfire at night,” says Miller. “Having a five-star, five-diamond restaurant also means we need ‘white-glove service’ that not only produces rapid transactions dependably but also handles the intricate timing required for certain social situations.”



## WORKHORSE BACKBONE

The Broadmoor uses the Agilysys InfoGenesis™ POS software solution running on SurePOS 500.



**TOGETHER  
COMMERCE**

**COMMERCE  
TOGETHER**

After being closed for nearly two years due to Hurricane Sandy, this destination restaurant, situated on the stunning historic Narragansett Bay in Rhode Island, is open once again to serve the coastal community. It's complete with a refreshed menu, revamped lounge and dining room and a renewed commitment to provide an unforgettable dining experience to locals and coastal visitors.

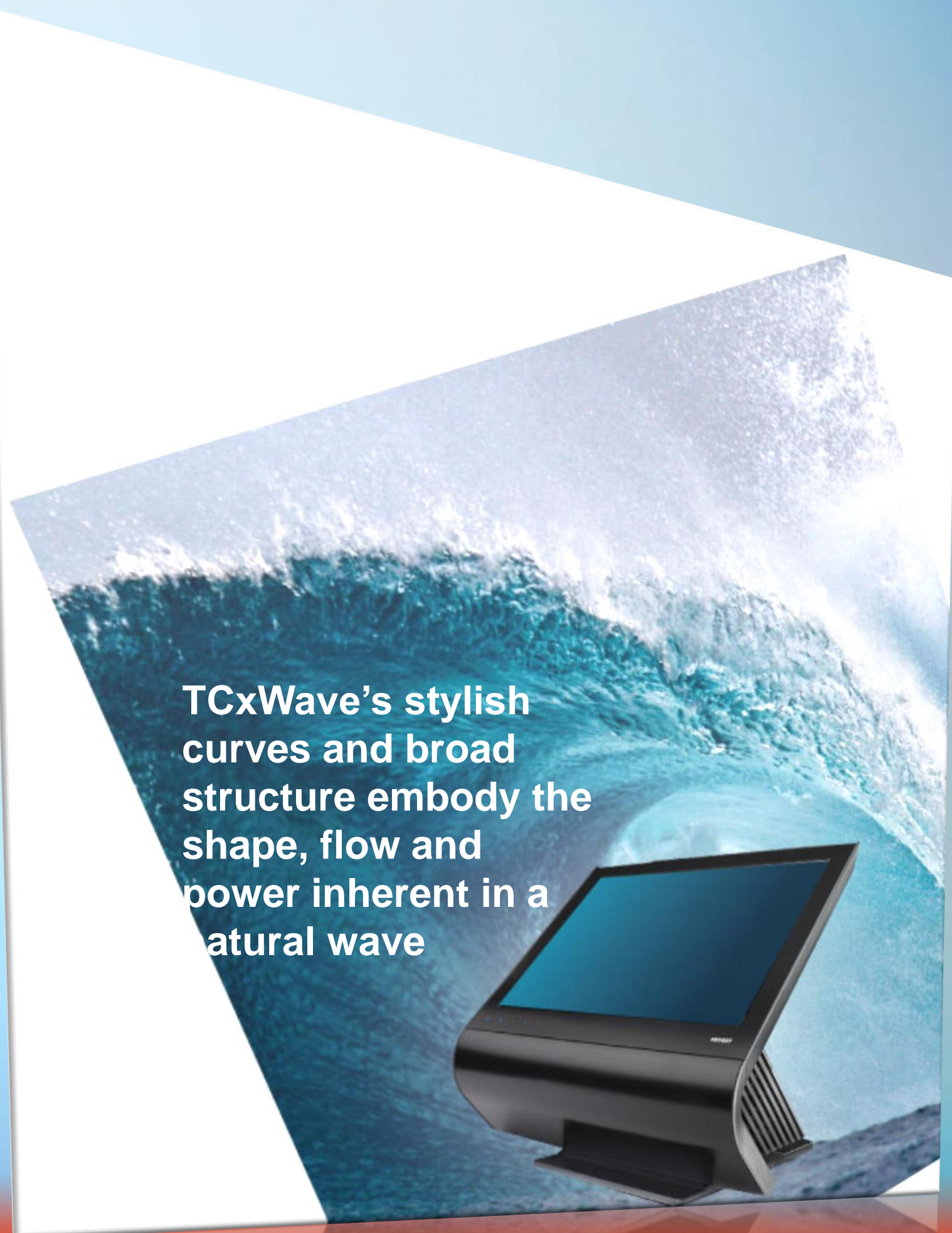
# TCxWave

Unlike any POS, kiosk or self-service device the industry has seen before...

Sleek design and intuitive, multi-touch interface

A choice of configurations provides versatility

Multi-purpose usage, for flexible application

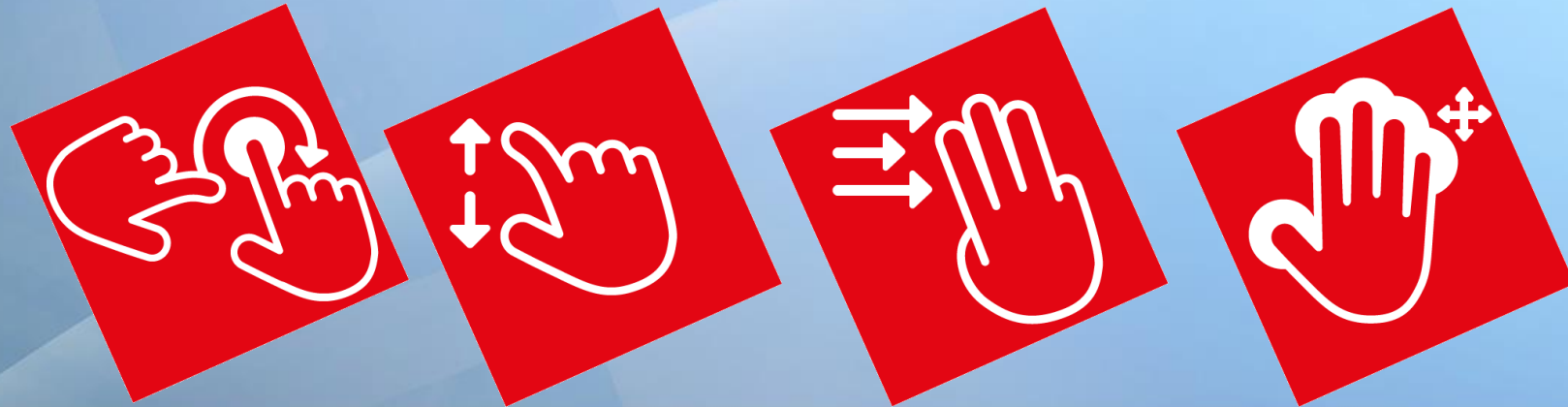


TCxWave's stylish curves and broad structure embody the shape, flow and power inherent in a natural wave



# Projected Capacitive touch

- Touch input – finger or lightly gloved finger
- No user calibration
- High resolution and image clarity
- Multi touch
- Can operate in demanding retail environments
- Sealed from liquid
- No moving parts to wear over time



	Resistive	Surface Cap	SAW	APR	Optical	IR	Pro-Cap
		✓	✓	✓	✓	✓ ✓	✓ ✓
Drift free over time			✓	✓	✓	✓ ✓	✓ ✓
Performance	✓ ✓	✓ ✓	✓ ✓			✓ ✓	✓ ✓
Ruggedized for public	✓ ✓			✓	✓ ✓	✓	
Display Clarity		✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓
Multi-touch (3+)					✓		✓ ✓
Flat-Front / Bezel-less			✓	✓ ✓			✓ ✓
Cost/Value	✓ ✓		✓ ✓	✓ ✓	✓	✓ ✓	✓ ✓

Easy to use as a smart phone

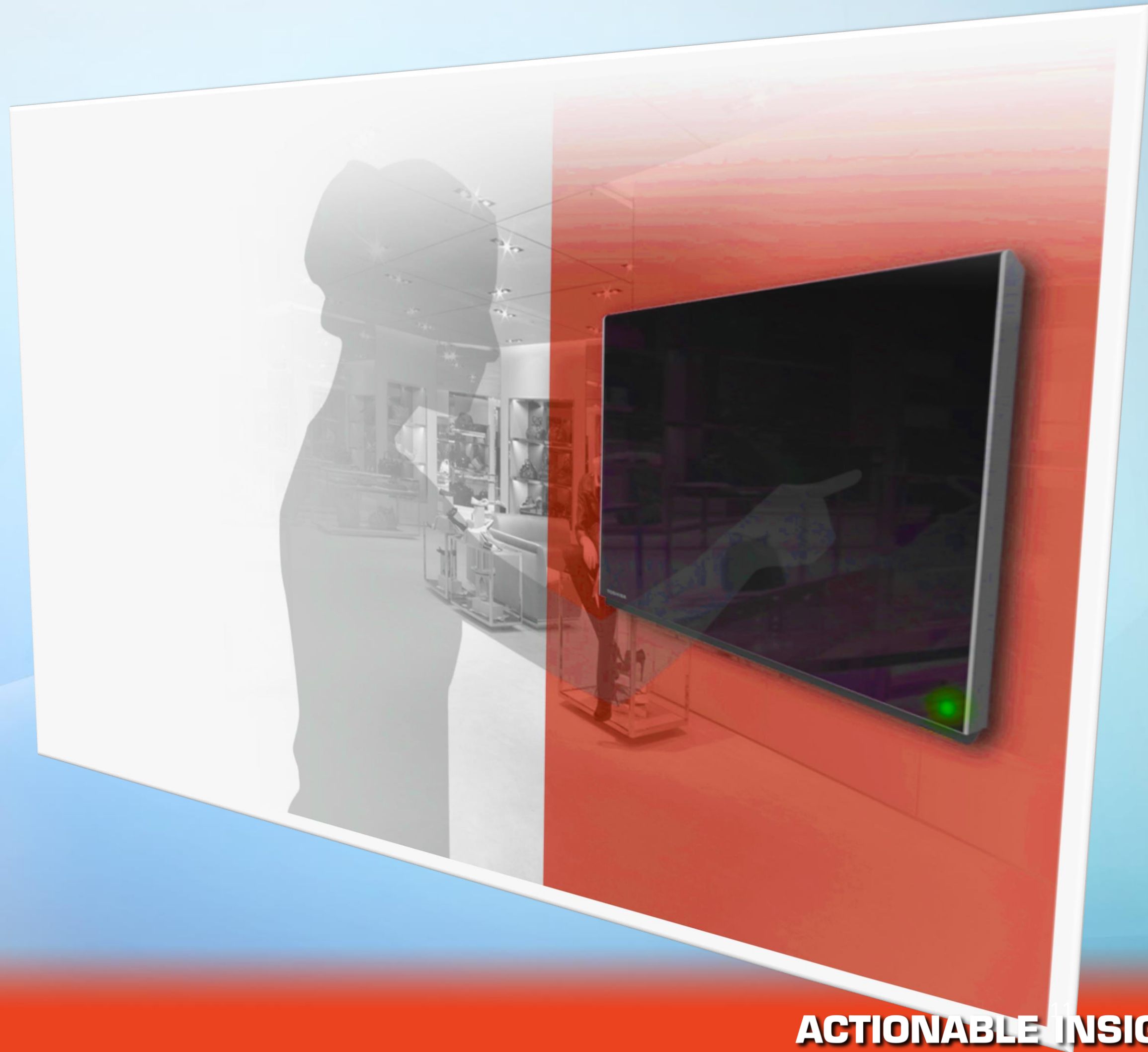
# Optimized Point of Sale

Flexible | Elegant | Retail Hardened



# Kiosk

Wall Mount | Free Standing



# Manager PC

QWERTY Keyboard | Retail Hardened



# Quick Checkout Pods

Assisted Checkout | Self Checkout



# Unmatched versatility



Integrated  
Point of Sale



Distributed  
Point of Sale



Kiosk  
Landscape  
View



Kiosk  
Portrait  
View

# Distinctive Design



- Optional SSD (64GB or 128 GB Option)
- Optional MSR and/or Customer facing 2x20
- Bi-directional MSR
- Adjustability for better viewing
- 33% more screen real estate (Mod 100 & 120)



# TCxWave New Features



**2<sup>nd</sup> Display Mount**



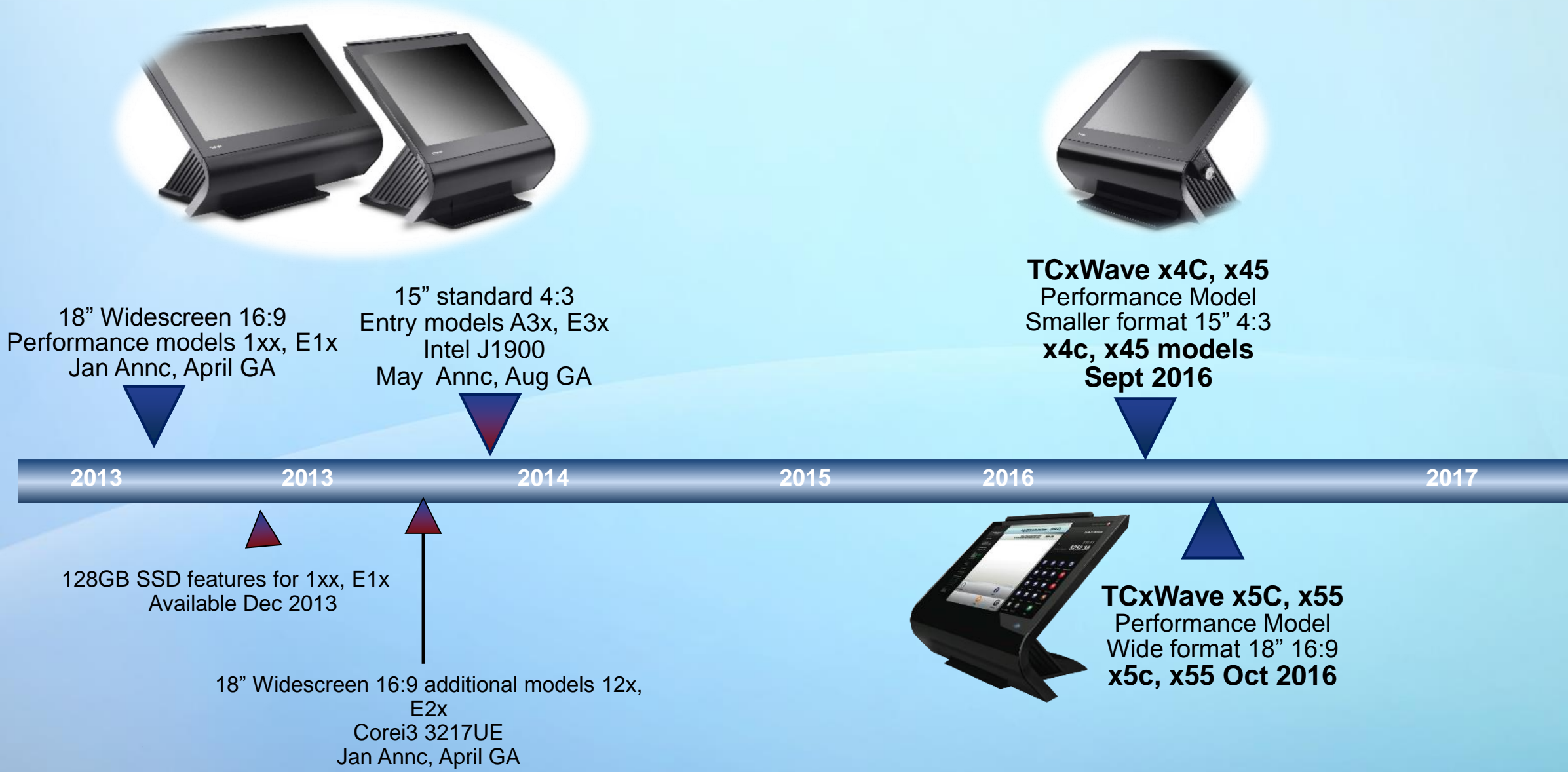
**iButton option \*A30 only**  
(fingerprint reader through RPQ)





# Kiosks Capture Real-Time Feedback in 24 Hour Demanding University Climate

# TCxWave Roadmap



# TCxWave Objectives

- Choose your display size
- Choose your processor
- Choose base, stand, or hub
- Make it integrated all-in-one or distributed





## Aug 30, 2016 Announcement

### TCx™Wave

Small footprint models  
**14C, E4C, 145, E45**  
(depot D4C, F4C, D45, F45)

Early Involvement Program  
April 2016– Sept 2016

**Hardware availability**  
**Sept 8, 2016**

### TCx™Wave

Wide footprint models  
**15C, E5C, 155, E55**  
(depot D5C, F5C, D55, F55)

Early Involvement  
June 2016 – Oct 2016

**Hardware availability**  
**Oct 13, 2016**

# TCxWave™ Family Today

## TCxWave™ 10x, 12x

Intel Core i3  
Intel Celeron J847e  
2 GB DDR3 base memory, expandable to 16GB  
18" 6:9 screen size

Orders through June 2017

# TCxWave™ Family Tomorrow

## TCxWave™ xxC, xx5

Intel Core i5-6300U  
Intel Celeron 3955  
(Intel i3-6100U or i7-6600U through RPQ)  
4 GB DDR4 base memory, expandable to 32GB  
64G M.2 SSD for NVRAM or preload  
**Choice of screen size**  
18" 16:9 or 15" 4:3  
Storage options  
▪ Upgrade to 128G, or 256G M.2 SSD  
▪ up to 2x installed

## TCxWave™ Model A30

Intel Celeron J1900  
2 GB DDR3 base memory, expandable to 8GB  
15" 4:3 screen size  
64GB or 128GB M.2 SSD, Up to 2x installed  
Micro SD required for NVRAM

## TCxWave™ Model A30

Intel Celeron J1900  
2 GB DDR3 base memory, expandable to 8GB  
15" 4:3 screen size  
Storage options  
▪ 64G or 128G M.2 SSD, up to 2x installed  
Micro SD required for NVRAM

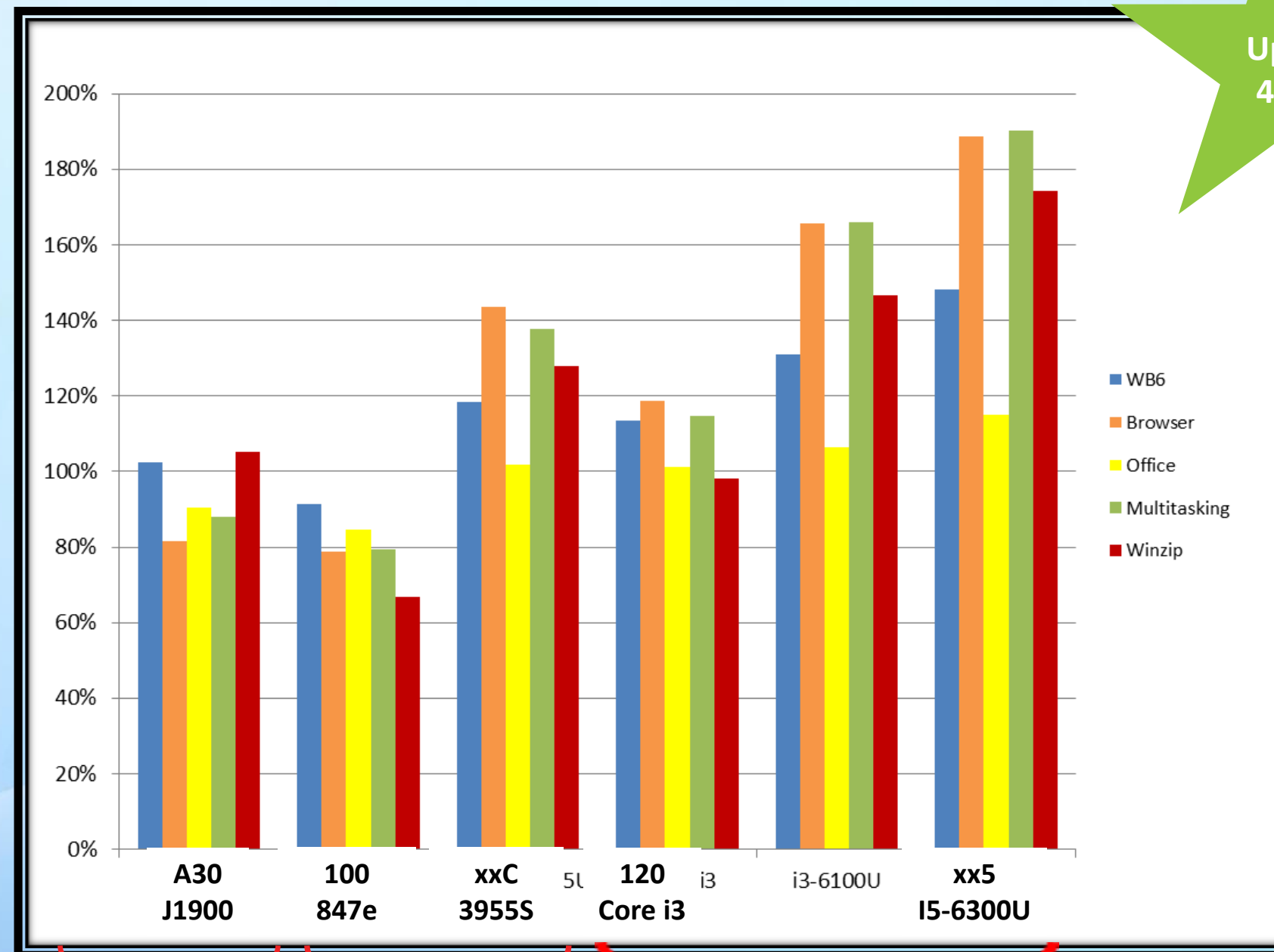
vPro  
With i5

6<sup>th</sup>  
Generation  
Core

DDR4  
Faster,  
low power

M.2  
Card edge  
SSD

# Performance Comparison



Up to 40%

Current  
15" 4:3

Performance  
Modes with Celeron

Performance  
Modes with Core I Series

# Connectivity

## Docked:

- 1x 24V Powered USB
  - 3x 12V Powered USB
  - 3x PC USB
  - 1x DisplayPort
  - 1x Ethernet
- (Side access 1x PC USB, Audio still available)

## Head:

- 2x RJ45 RS232, Configurable Power (A30 ,x4x, x5x only)
- 1x DisplayPort
- Dock Connectors (not used when head only)
- 1x Ethernet
- 1x power input (brick or hub)
- 1x side Audio Jack (A30, x4x, x5x only)
- 1x side PC USB 2.0 (with I/O mount point on A30, x4x, x5x)
- 3x PC USB 2.0, 1x PC USB 3.0 (A30 only)

Powered  
Ports

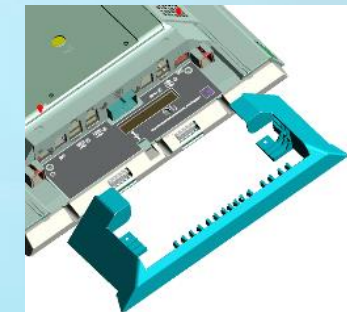
### xxC, xx5

- 1x 24V USB, 1x 12V USB
- 2x PC USB 2.0 , 1x PC USB 3.0

## Hub:

Connects to power input on head to add:

- 1x 24V USB
  - 4x 12V USB
  - 1x IBM Cash Drawer Port
- USB Cash Drawer for head only  
or docked **configurations**



# POS I/O

dockable base

Attachment

wall, stand, or pole



Base



POS I/O  
Goes  
through  
base



POS I/O  
Goes  
through  
head  
and/or  
POS hub





# Windows 10 Distributions that Toshiba targets for support

**Windows 7 Professional  
FES  
(For Embedded Systems)**



**Windows 10 IoT Enterprise  
2015 LTSC  
(long term service branch)**

**Windows Embedded  
POSReady 7**

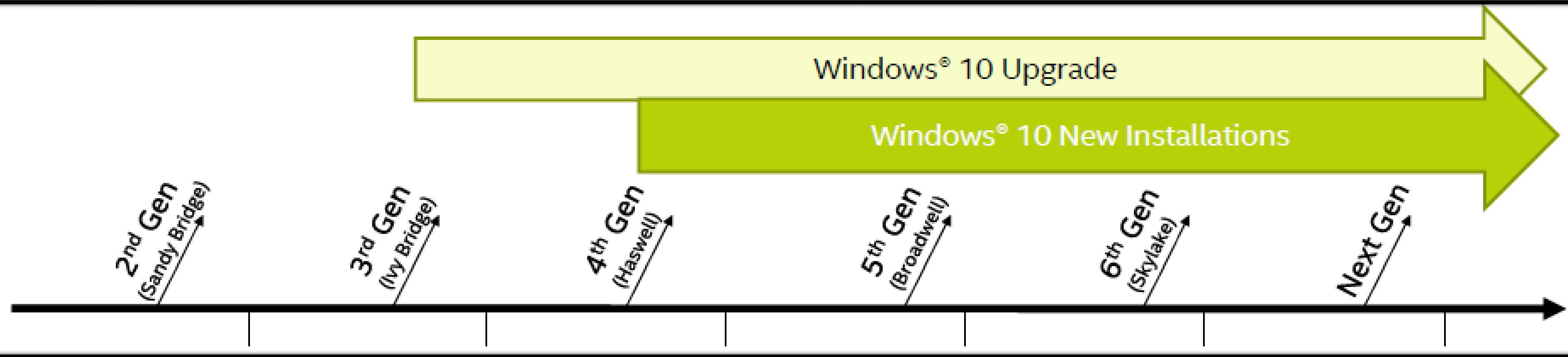


**Windows 10 IoT Enterprise  
For Retail  
2015 LTSC**

**32-bit and 64-bit**

**64-bit only**

# Microsoft and Intel recommend 4<sup>th</sup> Generation Core or newer for Windows 10



# 6<sup>th</sup> Generation Intel Technology (Skylake)

Intel and Microsoft recommend that retailers upgrade their technology at the time they upgrade to Windows 10 to enjoy key Windows 10 features along with excellent performance and advanced security features.

Systems with 6<sup>th</sup> Generation technology (platforms launched in 2015) or newer will support:

- Windows 10 distributions (64 bit only)
- Windows 7 distributions through July 2018
- Windows 8 distributions through July 2018

Microsoft will withdraw support on Win 7 and 8 platforms for newer technology effective July 2018\*.

Preloads of Win 10 IoT distributions on 6<sup>th</sup> Generation Technology will provide Migration Rights. Retailers can run Win 7 distributions until they migrate by July 2018 or in 12 months from purchase (whichever is longer).

\***Note:** Systems using 2014 or earlier technology will be supported through previously communicated dates, eg 2021 for POSReady 7.

# 4<sup>th</sup> Generation Intel Technology (Haswell, Baytrail)

Win 10 IoT support test in progress:

**Intel Celeron J1900 (Baytrail)**

**TCxWave™**

6140-A30, A3R

Preloads\*  
coming by year  
end 2016



\* Preloads of Win 10 IoT distributions will provide Migration Rights.

Retailers can run Win 7 distributions for 12 months from purchase to allow time for a migration to Win 10.

# 2<sup>nd</sup> Generation Intel Technology (Sandy Bridge)

Intel and Microsoft do not officially support Windows 10 distributions

The drivers used on Windows 10 are the same as those used on Windows 7 and 8.1 distributions for this technology. Support for a system based on 2nd Generation Intel Technology will be provided by Toshiba through reproducing any issues found on the equivalent Windows 7 or Windows 8.1 distribution that is officially supported. Any features not compatible with 2nd Generation Intel technology will not be supported.

## **SurePOS 500**

4852-570, 57D,  
580, 58D



## **TCxWave™**

6140-100, 10D,  
120, 12D



# Windows® 10 Feature Cross-Compatibility Summary

Feature	2 <sup>nd</sup> Generation Intel® Core™ (Sandy Bridge/Q67) UEFI / Legacy BIOS	4 <sup>th</sup> Generation Intel® Core™ (Haswell/Q87) UEFI / Legacy BIOS	6 <sup>th</sup> Generation Intel® Core™ (Skylake/Q170) UEFI / Legacy BIOS
UEFI Secure Boot	Yes/No	Yes/No	Yes/No
UEFI Secure Firmware Update	No	Yes/No	Yes/No
Microsoft® Device Guard	Yes/No	Yes (with CSM off) / No	Yes (with CSM off) / No
Microsoft® Credential Guard	No	Yes (with CSM off) / No	Yes (with CSM off) / No
Microsoft® BitLocker®	Yes	Yes	Yes
Microsoft® AppLocker®	Yes	Yes	Yes
Microsoft® Windows® Hello	No	Yes	Yes
Intel® Identity Protection Technology (One-Time Password)	No	Yes	Yes
Intel® OS Guard	No	Yes	Yes
Intel® Data Protection Technology for Transactions	No	Yes	Yes
Intel® Secure Key	No	Yes	Yes
Intel® High Definition Audio (Intel® HD Audio)	No	No	Yes
Intel® Independent Firmware Recovery (Intel® IFR)	No	Yes	Yes
DirectX® 11/12	No	Yes	Yes
Intel® AMT	No	Yes	Yes
Intel® Rapid Storage Technology (RAID)	No	Yes	Yes
Intel® USB 3.0 Device Controller	No	Yes	Yes

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