

TCx[®] Sky Operating System Technical Specifications

HARDWARE SUPPORTED (MODEL)	MACHINE TYPE	MODEL
TCx [®] 810	6201	25C, 253, 255, 257, 26C, 263, 265, 267, 29C, 293, 295, 297
TCx [®] 800	6200	10C, 11C, 13C, 103, 113, 133, 105, 115, 135, 107, 117, 137
TCx [®] 700	4900	746, 767, 777, 786, 787, 797, C46, C67, C77, C86, C87, C97
SurePOS 700	4900	745, 785, C45, C85
SurePOS 700	4800	C43, F43, 743, 783, C84, 784
TCx [®] 300	4810	360, 361, 370, 371, 380, 381, 391
TCxWave™	6140	100, 120, A3R, 14C, 145, 15C, 155

MODEL	CONTROLLER	TERMINAL	CONTROLLER/ TERMINAL
TCx [®] 810 (6201-25C, 253, 257, 26C, 263, 265, 267, 29C, 293, 295, 297)	X	X	X
TCx [®] 800 (6200-10C, 11C, 13C, 103, 113, 133, 105, 115, 135, 107, 117, 137)	X	X	X
TCx [®] 700 (4900-746, 767, 777, 786, 787,797)	X	X	X
TCx [®] 700 (4900-C46, C67, C77, C86, C87, C97)	X		
TCx [®] 300 (4810-360, 361, 370, 371, 380, 381, 391)	X	X	X
TCxWave (6140-14C, 145, 15C, 155)	X	X	X
TCxWave (6140-A3R)	X	X	X
TCxWave (6140-100, 10D, 120, 12D)		X	
SurePOS 700 (4800-743,783)	X	X	X
SurePOS 700 (4800-784; 4900-745, 775, 785)	X	X	X
SurePOS 700 (4800-C43, C83)	X		
SurePOS 700 (4800- C84;4900-C85, C45)	X		

Virtual Controller Feature can be used on any server that is certified with supported versions of VMware ESX/ESXi, or KVM. VT and VD features are required on servers running virtualized controllers if CSS will be used.

HARDWARE REQUIREMENTS
Minimum 2 GB of memory
64-bit enabled only
64 GB or greater HDD/SSD for Controller
64 GB or greater HDD/SSD for Terminals that utilize an HDD/SSD

Select models of the following IBM/Lenovo Series x servers*

- x3100M4
- x3250M4
- x3300M4
- x3100M5
- x3250M5
- HS12 Blade Server
- HS23 Blade Server

*Note: Please refer to the system matrix in the knowledgebase for specific models on the Toshiba support page:
<https://www.toshibacommerce.com/support>

A list of support I/O devices can be found on the [toshibacommerce.com](https://www.toshibacommerce.com) Support page:
<https://www.toshibacommerce.com/wps/portal/marketing/?urle=wcm:path:/en/home/support/product-support/support-software/support-4690os>

HARDWARE LIMITATIONS

- Toshiba TCx Sky supports only IBM and Toshiba hardware
- TCxWave (6140) models, 100, 120 and A3R require the Micro SD card feature (FC 5179) to be installed as the NVRAM function
- The 16x60 and 12x40 text modes are not supported on TCxWave
- TCxWave is supported in landscape mode only (Portrait mode is not supported)
- Multi-Touch and gestures are not supported in TCx Sky
- When using an external Lenovo USB Multiburner driver, DVD-RW media should be used
- An NVRAM adapter continues to be required for System x and Blade servers used as store controllers
- JavaPOS support for fiscal printers is not included in TCx Sky
- Boot messages may not be displayed on 2x20 USB attached displays
- The display must be able to support SVGA 800x600 resolution
- The following hardware is not supported:
 - PS/2 attached ANPOS keyboards
 - Floppy drives
 - Model 3 and Model 4 POS printers
 - RS485 attached touch displays
 - SCSI drives
 - 4683 POS I/O

SOFTWARE REQUIREMENTS

Java applications must be able to run on TDK8 (OpenJDK8 based)

Note: The [Javax.com](http://javax.com) functions providing an interface to serial devices from Java is deprecated and will be removed from TCx Sky packages at the end of 2019. RxTx, an open source alternative, is provided in TCx Sky V1.2 to allow applications sufficient time to make the needed changes to move to the new interface.

SOFTWARE LIMITATIONS

- CHEC 7.1 is supported with TCx Sky in configurations that provide an in-store BOSS and do not use the RMA master agent provided in the TCx Sky controller
- Java 2 and Java 6 are not available
- SNA is not available
- X25 is not available
- Optical drive utility is not available
- 16x50 and 12x40 character modes are not supported on terminals
- Controller RS232 attached device support is limited to printers only
- S3 power management is not supported on MT 4800 7x3 systems (BIOS limitation)
- 4690 Auto-sign on is not supported
- TCx Sky does not support USB POS devices attached to a standard 5V USB port. Powered USB port must be used

TCT15038-USEN-02
Revised October 20, 2021