

SurePOS ACE Technical Specifications

SUPPORTED HARDWARE	
Classic Controller	Minimum 256MB/Maximum 1GB Memory; 4690 OS V6R5
Enhanced Controller*	Minimum 512MB/Maximum 1GB; Using Classic to Enhanced (C2E) tool with 4690 OS V6R4/4690 OS V6R5; 1GB for SurePos 4800-CB4 or later
Classic Terminal	- 256MB with Java, with PIN Pad Controller for EMV - 512MB with Java, With SI GUI Single Screen (With or without PIN Pad Controller) - 512MB with Java, With SI GUI Dual Screen (With or without PIN Pad Controller);
Maximum Terminal Memory	512MB (for those 4694 and SurePOS 700 terminals that can run 512MB)
Enhanced Terminal (Minimum Memory)	- 512MB without Java - 1GB when running Mbrowsers 31.8, Java, TDK8
TCx™ Sky V1.0 Hardware Requirements	- Minimum memory requirement is 2GB - Minimum HDD/SDD for Controller is 64GB - Minimum HDD/SSD for Terminals that utilize an HDD/SSD is 64GB

PERIPHERALS (OPTIONAL)	
Displays (Up to Two)	- Toshiba SurePoint™ Display (touch and nontouch) - 2x20 Alphanumeric display - Video Graphics Array (VGA) displays - DisplayPort - Fullscreen Video
Scanners	- Handheld Scanner - Scanner/Scale - Datalogic/Magellan
Keyboards	- 50-key POS keyboards - 67-key POS keyboards - Alphanumeric POS keyboards - Matrix keyboard - 1/2/3 track keyboard magnetic stripe reader (MSR)
Pinpads	- VeriFone MX915/MX925, VeriFone Engage M400, VeriFone Engage M440, and Ingenico L7000/L8000 in PIN Pad Controller architecture
Printers	- Select models of Toshiba SureMark Printers - Toshiba Model 3/4 POS printers - Toshiba Fiscal printers (ask your local representative)
Additional Options	- Cash drawer (dual support) - Scale - Programmable power - Coin dispenser

SUPPORTED SOFTWARE	
Operating Systems supported	- 4690 OS V6.5 0HN0 or later - TCx™ Sky V1.1.2-2 or later - TCx™ Sky V1.2 - 0000 or later
Remote Monitoring and Management	Remote Master Agent (RMA) 3.2.2, or later
GUI	- Store Integrator Graphical User Interface (SI GUI) V4.1 SP1 or later. - Store Integrator Graphical User Interface (SI GUI) V4.1 SP3. However, SI GUI V4.2 SP1 is required for the Enhanced Reprint functionality.†‡ - Store Integrator Graphical User Interface (SI GUI) V4.2 SP3 or later.
Other	Data Integration Facility (DIF) V3.2 or later
SurePOS ACE Toolkit requirements**	- Microsoft® Windows® 10 - IBM VisualAge® V3.6 C++ (VA C++) compiler
Limitations	ACE V8.2 does not support the following when running as a 4690 Client: - A RS-232 serial attached scanner or scale - A RS-232 serial attached POS printer - A RS-485 (tailgate) attached PIN Pad if PIN Pad Controller is configured for RxTx support
Warranty	Yes - Limited Warranty

- Notes:
1. Additional terminal memory may be required if the SI GUI is used for complex graphical information. If SI's Digital Receipts capability is used, the minimum system required on the terminal is a 4800-743 with a 2.0 GHz processor. Only the SurePOS 700 Series and selected models of the SurePOS 4694 POS System can run Java applications.
 2. The maximum terminal memory used by 4690 OS is 1 GB. In enhanced mode, the hardware abstraction layer can make use of code above the 1 GB limit when running a TDK 8 application such as RMA. TDK8 applications can use memory up to 4 GB maximum. If using SI V4R1/2 with Dual Display then the Enhanced Terminals may need more than 1GB RAM as each display is now a separate JVM.
 3. See the Toshiba TCx™ Sky Version 1 Announcement Letter 70070 dated January 10, 2018 for list of System Units supported by TCx™ Sky.
 4. Reference the 4690 OS Controller Matrix for supported Lenovo System x, Toshiba SurePOS, and Toshiba TCx controller systems.

- * Reference the 4690 OS Controller Matrix for supported Lenovo System x, Toshiba SurePOS, and Toshiba TCx controller systems.
- ** This toolkit helps developers and Business Partners extend the ACE application including rebuilding executables with third-party applications. The development toolkit supports both controller and terminal code. For more information about the Toolkit, refer to the SurePOS ACE Programming Reference. For information on obtaining a copy of this compiler use Knowledgebase Search on the following website and search on VA C++.
- † The SI GUI is written in Java and runs in the Java Virtual Machine (JVM) of the 4690 OS. This GUI allows graphics and touch capability to be added at the terminal on top of an existing POS application, such as ACE.
- ‡ The SI GUI is a comprehensive set of Java components that enable rapid development of touch-based applications. Through an XML-based configuration facility, SI GUI allows non-programming skilled personnel to easily customize and maintain touch screens that interact with the application. Through the JVM capability, clients using 4690 OS now have a method to turn their ACE application into a touch solution with little or no changes to the base code, ideally protecting their investment.

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