

# TCx™ Amplify Technical Specifications

Hardware Requirements	
Program Number	5639-MS1
The application has been tested and validated with the following hardware options (which must be purchased separately):	<ul style="list-style-type: none"> <li>Zebra MC18 Android</li> <li>Datalogic Joya A6</li> <li>Other devices can be supported through professional services</li> </ul>
TCx Amplify Self-Service Scale feature requires the following:	<ul style="list-style-type: none"> <li>4690 V6R5 0HN0 Operating System, or later</li> <li>Store Integrator V4.1</li> <li>ACE Version 7.5, or later</li> <li>4800-745 or later 4690 terminals</li> <li>Any TGCS monitor with 1024x768 resolution</li> <li>Any scanner/scale or scale supported by ACE</li> <li>Toshiba Direct Thermal Desktop Label Printer (B-EV4D)</li> </ul>
TCx Amplify Handout Kiosk feature requires the following:	<ul style="list-style-type: none"> <li>4690 V6R5 0HN0 Operating system, or later</li> <li>6140-120 or later (TCxWave)</li> <li>Any USB attached Java POS scanner</li> </ul>
TCx Amplify Mobile Engine requires the following:	<ul style="list-style-type: none"> <li>A dedicated 4900-785 machine with at least 4 GB of RAM and a solid-state disk</li> <li>For a Mobile Engine that will be handling more than 150 concurrent mobile devices the Intel Core i3-2120 processor option for the 4900-785 controller is required</li> <li>For newer versions of the TCx 300 or TCx 700 the minimum supported processor option is the Intel Core i3 processor option offered for that machine type</li> <li>For a TCx 800 the minimum supported processor option is the Intel Core i5-7300U processor option</li> </ul>

Software Requirements	
TCx Amplify for 4690 OS-based POS solutions requires the following software:	<ul style="list-style-type: none"> <li>4690 V6.5 0HN0 Operating System, or later</li> <li>Store Integrator V4.1 (build level s048), or later (note that all required Store Integrator licensing for Toshiba TCxAmplify consumer or associate connections is bundled with the Toshiba TCxAmplify connection licenses)</li> <li>ACE V7.5, or later</li> <li>Consumer device OS levels change rapidly. Toshiba targets supporting the Android OS and iOS level that represent at least 90% of the consumer market. Please contact your sales representative for the current OS levels supported.</li> <li>Optionally: CHEC Client Application Version 7.1 Refresh running 4690 OS (for self-checkout integration or self-checkout mobile pay station)</li> </ul>
TCx Amplify also works with VisualStore.	

*\*For software prerequisites and compatibility information, contact your sales representative. The program's specifications and specified operating environment information may be found in documentation accompanying the program, if available, such as a readme file, or other information published by Toshiba, such as an announcement letter. Documentation and other program content may be supplied only in the English language.*

Limitations	
Maximum number of connections supported:	<ul style="list-style-type: none"> <li>80 on ACE per 4690 subordinate controller (depending on controller workload)*</li> <li>100 on SA per 4690 subordinate controller (depending on controller workload)</li> <li>For scalability targets on other applications, contact your engagement manager. If the solution is deployed to a store with both consumer and associate connections enabled, additional services are required to configure the solution</li> </ul>

*\*The maximum number of CSS sessions a controller can support depends on the controller workload and the ACE terminal application executable size. Retailers with a lot of ACE extensions have bigger ACE terminal application executable sizes. This means less ACE CSS sessions fit in the 1024 MB of 4690 address space available on the controller.*

*Note: Response times and scalability of virtual sessions have been validated in a controlled lab environment utilizing a 4900-785 controller and 4690 OS but may vary in a live store environment depending on various factors including wi-fi latency, network load, controller hardware, controller load, POS application, consumer smart phone, and potentially other factors.*

Warranty / Software Maintenance	
When the software is ordered:	<ul style="list-style-type: none"> <li>The first year warranty is included which entitles the customer to software support during the first year period</li> </ul>
At the completion of the software warranty period:	<ul style="list-style-type: none"> <li>A software maintenance agreement is required to renew software maintenance for continued support</li> </ul>

The following is a description of each of the new orderable items for support:	
<ul style="list-style-type: none"> <li>5639-MS2-0027 TCxAmplify V1 Store Furnished Device per Connection SWMA 1 year renewal</li> <li>5639-MS3-0014 TCxAmplify V1 Store Furnished Device per Connection SWMA 1 yr after lic</li> <li>5639-MS4-0014 TCxAmplify V1 Store Furnished Device per Connection SWMA 3 yr reg</li> <li>5639-MS5-0014 TCxAmplify V1 Store Furnished Device per Connection SWMA 3 yr ren</li> <li>5639-MS6-0014 TCxAmplify V1 Store Furnished Device per Connection SWMA 3 yr aft lic</li> </ul>	