

ELERA™ Self Service Technical Specifications

IN-STORE SERVER REQUIREMENTS	
Minimum Hardware Requirements	
Processor	2-core minimum, Intel® Core™ i3 or better
Memory	8 GB or more RAM
Storage	64 GB or larger, SSD
Additional Requirements	The minimum stated above may not be enough for servers running many services, or for servers running other workloads with ELERA
Operating System Requirements	
Toshiba Operating System	TCx® Sky V1R2 SP2/SP3/SP4, V1R3 GA, V1R3 SP1, V1R4
Additional Requirements	Operating System must include Docker Support, OpenJDK8+ and a Browser supporting ES6 (ECMAScript6)

ENTERPRISE AND CLOUD DEPLOYMENTS REQUIREMENTS	
Minimum Software Requirements for running the Platform on Prem or in the cloud	
Cloud requirements	- Any cloud platform can be used
All solutions (On Prem or Cloud) require	- Rabbit MQ v3.8.3 or higher (or equivalent message bus*) - Mongo DB 4.4 (or equivalent DB*) - NGINX (or equivalent Ingress/proxy and Load Balancer SW) - Kubernetes Cluster (v1.25 or higher) or equivalent*

ENTERPRISE ENVIRONMENT**							
Service	vCPUs	RAM	Temporary Storage	Bandwidth	Node Pools	Total Nodes	Pods per Service
Platform	4	16 GB	32 GB	Up to 2,000 Mbps	2	2	2
Pay	4	16 GB	32 GB	Up to 2,000 Mbps	2	2	2
Sisense	8	32 GB	64 GB	Up to 4,000 Mbps	2	3	1-3

CLIENT TERMINAL REQUIREMENTS	
Light-Weight End-Point Minimum Requirements	
Processor	2 core minimum
Memory	4 GB RAM
Storage	Dependent upon operating system
Operating System	- TCx® Sky V1R2 SP2/SP3/SP4, V1R3 GA, V1R3 SP1, V1R4 - Windows 10* - Linux 64-bit Kernel Level 3.10+*
Additional requirements	- Browser supporting ECMAScript6 - JavaPOS JavaPOS 1.14.11-L32, 1.14.12-L19 or 1.14.13-L22 (If using POS Peripherals) - DeviceBroker (If using POS Peripherals)

* Additional Testing Required/Suggested.

**Enterprise Environment Configuration is only recommended for the lab environment (Non – Production). For production configuration, please reach out to ELERA Support team.

Note: Operating system support may be impacted by hardware selection

SELF-SERVICE REQUIREMENTS	
ELERA Version	1.4.0
ELERA Light Mode	1.4.0
Native Device Broker	elera-pay-install-1.4.0-31
ELERA UI	1.4.0
ELERA Terminal Services	1.4.0
ELERA Controller Services	1.4.0
MBrowser	78.15.0-5
JPOS	11411-L32
Cash Devices	Not supported for this release
Belted Lane	Not supported for this release
Camera	PopID camera
Java	TDK8
Third-Party Payments	PopID only supported on Pro-X Hybrid Kiosk on Windows 10
Lane Types	ELERA Self Service is currently supported only on the Self Checkout System 7 and Pro-X Hybrid kiosk lanes. Also, ELERA Self Service for this release does not support non-Toshiba hardware devices.

SELF CHECKOUT SYSTEM 7 TECHNICAL SPECIFICATIONS	
Processor	- Intel Celeron G1820 2.7GHz - i3-4330, 4M Cache, 3.50 GHz - i5-4590S, 6M Cache, 3.70 GHz
Memory and Storage	- 8 GB with 128 GB SSD - 12 GB with 128 GB SSD - 12 GB with 256 GB SSD - 16 GB with 128 GB SSD
Storage	Dependent upon operating system
Operating System	TCx® Sky V1R2 SP2/SP3/SP4, V1R3 GA, V1R3 SP1, V1R4 Windows 10* Linux 64-bit Kernel Level 3.10+
Shopper Guidance Light	Yes
Proximity Sensor	Yes
Bank Note Recycler	No
Bulk Coin Recycler	No
Transaction Awareness Light (TAL)	Yes
Additional requirements	- Browser supporting ECMAScript6. For POS Peripherals: - JavaPOS 1.14.11-L32, 1.14.12-L19 or 1.14.13-L22 - TCx® Sky V1R4 requires JavaPOS 1.14.13-L22 - Native Device Broker 1.4.0

TCx 800 ALL-IN-ONE POS: FEATURES	
Product Name	TCx 800 All-in-One POS (Machine Type 6200)
TCx 800 All-in-One POS (Machine Type 6200)	Select from three TCx 800 All-in-One POS Systems with: - 15" - 15.6"
Models	10C, 103, 105, 107, E0C, E03, E05, E07, 11C, 113, 115, 117, E1C, E13, E15, E17, 13C, 133, 135, 137, E3C, E33, E35, E37
CPU Support	Intel 7th Generation uSeries processors: - Celeron 3965U - Core i3-7100U - Core i5-7300U - Core i7-7600U
System Memory Supported	8 GB (Min), 16 GB, or 32 GB DDR4
Storage	- 128 GB, 256 GB or 512 GB PCIe NVMe M.2 SSD - Up to 2x SSDs supported - RAID support (i5/i7 models)

TCx 810E ALL-IN-ONE POS: FEATURES	
Product Name	TCx 810E
Models	T2C, T25, E2C, E25
CPU Support	Intel 8th Generation Processors: - Celeron 4305UE - Core i5 8365UE
System Memory Supported"	Minimum 8 GB (16 GB Max)
Storage	- 128 GB PCIe NVMe M.2 SSD (1 slot) - 256 GB PCIe NVMe M.2 SSD (optional)