

NO	POS (Handheld) Minimum requirements	POS (Cashier) Minimum Requirements	
1	Processor	at least Cortex-A7 Quad-Core CPU	Intel i3 2 cores
2	Memory	At least 2GB RAM, 8GB ROM Flash	4 GB DDR3
3	Memory Card Reader	Should have a card reader, memory card storage 64GB	HDD-SSD 128 GB
4	Display	At least 5.5"(1280 x 720 HD resolution) color	at least 1024X768
		LCD should be touchscreen	LCD Screen
5	Operating System	At least Android 6 preferably higher version	at least Windows 10, Linux, Android
6	Wireless Communication	4G LTE, compatible with 2G/3G, WiFi and Bluetooth	Ethernet LAN 10/100 Connection
7	Positioning	A GPS compatible	
8	Card Readers	The machine should support the standard protocols for card reader such as	
		MSR: Triple track, bi-directional, ISO 7811	
		Smart card reader: ISO 7816, PBOC 2018,	
		EMV 4.3 level 1 &2	
9	Contactless	The machine should support the standard protocols for contactless cards such as ISO/IEC 14443 A&B, MiFare, Quickpass, PayPass, payWave	

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	Camera	Rear: 5Mp CMOS, auto-focus, flashlight, support bar code reader	
		support electronic and paper QR code scanning scan range from 1MM to 200MM	
11	Peripheral Ports	At least 1 USB	at least 3 USB
12	Security	At least PCI PTS 5.x-approved	
13	PIN Pad	Master key1 Session key, DUKPT	
		DES, SDES, RSA, SHA-256, AES	
14	Printer	At least 25 Ips, 40 mm paper roll, support arabic font	USB, LAN, Serial interface Support arabic font
15	Certification	The machine must have all supporting certifications for the above protocols.	
16	Power	Should be compatible with Egypt power standards.	Should be compatible with Egypt power standards.
		Battery: detachable, and should support for long working hours.	
17	Environmental	Operating temperature: from 0 to 50°C	
18	Card Slot	At least 1 SIM & 2 SAMs or 2 SIMs & 1 SAM	

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20	2. Micro SDHC Requirements	POS devices should be SDHC compatible.	
		a. Supported Operating System	
		Android V 6 and higher.	
		b. Connectivity	
		POS must contain Micro SD Slot	
		c. Electrical Operating	
		Operating voltage: Vcc = 3.3 to 5VDC Power consumption: ~30mA @ 3.3VDC	
		d. Operating Temperature	
		Operating temperature: -15° C to 55° C	
21	3. POS Software Application Requirements	b. Software Application to be able to be modified (Availability of source code)	b. Software Application to be able to be modified (Availability of source code)
		c. Development Team Able to develop the integrations on top of the POS Application	c. Development Team Able to develop the integrations on top of the POS Application