AVOWAL (T) LTD

"A trusted business partner".

Company Profile

🏠 **Livingstone / Kipata Street, Plot no. 60 Yellow mark No.9, Kipata Street Mazzanine floor, P.O.Box 40060**

Dar es salaam,Tanzania

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Content

About Us

Avowal Tanzania Ltd was established on June 27, 2016, following a significant evolution from the original business entity known as AVOWAL GENERAL SUPPLY, which operated as a sole proprietorship and was officially registered with BRELA in 2011. The decision of transition to an incorporated business structure was made by the Co-founder with the primary objective of enhancing operational efficiency.

Our primary operations involve the sale, maintenance, and provision of support for the use of electronic devices, consumables, and intricate software solutions. Within this industry, we have numerous domestic and international partners. Domestically, it is worth noting Bakhresa Food Products Ltd, Unisoft Technologies Ltd, Maweni Limestone Ltd, Amana Bank, DTB, and internationally, MAGNER INTERNATIONAL – USA, and WINHAO ELECTRONICS CO. LTD-CHINA. We enjoy relationships that tie us with both source of our products and after sales support. We have a direct connection to factory agent, as well as direct agreements with the factory for support and sales in various other products.

We have a client's exceeding 6000 EFDs' customers, who rely on post-purchase assistance provided by our company situated at Plot number 60 block 6 Kipata Street since the year 2015. Among these clients are Bakhresa food products Ltd and Maweni Limestone Ltd. Every single one of these customers engages in daily operational activities using their EFDs, underscoring the critical importance of continuous support from our end.

We now have 8 years in electronics business and after sales support. AVOWAL T LTD is also engaged in providing complex software solutions as a means to actively engage in addressing social issues. The company has a number of software solutions currently in development that are poised to have a significant impact on society employment, issue resolution, and organizational revenue, thereby catalyzing further advancements.

The software solutions team lead by Co-founder is the main mechanism to plan, advise, supervise and make sure solutions are implemented and operating in the targeted society. Generally AVOWAL (T) LTD believe in business dynamics.

MISSION & VISSION

AVOWAL (T) LTD is focused on providing competitive products in term of quality and pricing. All eyes are erected to not only customer whispering but to any taste customer can feel thirsty to get should be provided in a same quality and reasonable price from AVOWAL (T) LTD. We listen, take action to meet customer taste.

We believe customer is the backbone of any business, you can mess up with Co-founder but customer will shout up the business which means ending business.

As business is dynamic the management have investing knowledge and strategy to engage in Banknote business. We have direct contract with MAGNER INTERNATIONAL – USA,

Our target is to provide reliable, quality products and unmeasurable after sell support. Also AVOWAL (T) LTD goals is to become a source of original products and idea on complex software solutions. We are adopted on social responsibility, that while solving society problem also we are to build a next generation with power to adopt and renovate the existing complex software solutions. To the maximum of our IQ and partners will make sure we are providing reliable, quality and simple solution in ICT sector.
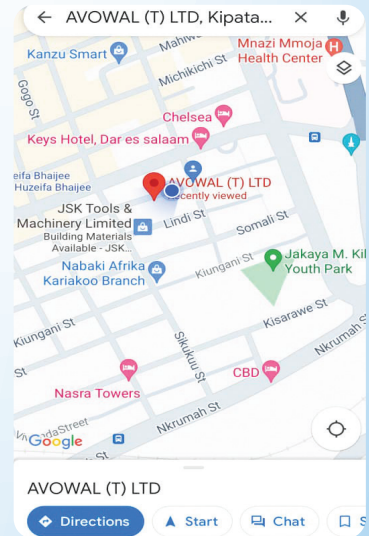
CHALLENGES AND SOLUTIONS

AVOWAL T LTD is awesome on the service providing to the customer and that challenge is the real feedback to renovate products and services provided on market.

Providing solutions to customer feedback builds firm trust and customer can expand firm products and services market by sharing positive information and advocating the products and aftersales service.

AVOWAL T LTD believe challenges and solutions is the market TV if handle in a positive and appreciation way, in other way challenge creates opportunity and solutions payback.

CO-FOUNDER
AND CEO

Avowal means "acknowledgement" in the English world. Mr Mbogolo Mlekwa Kushaha had a dream to own a famous and powerful business when he was 11 years then in standard one in 1990's.He started selling sugar can and guava from his grandfather farm in KIDALIMANDA village, Bunamhala ward, Bariadi district and Shinyanga (Now Simiyu) region. In standard four 1994 his parents transferred him from Simiyu to Singida region where while studying he started selling roasted groundnuts (Karanga) at bus stand after school hours.He was the best student in the 1996 mock examination test. He was only the only boy from his primary school to be selected to join secondary school education. When he joined secondary school he still had the picture of doing business and consequently he was appointed as a project prefect when he started a school cabbage farming project. On completion of secondary school education he joined the military service and also started vodafone voucher business, importation of used TV sets from Zanzibar in the 2000's, the he started timber business from Morogoro to Manzese in Dar es Salaam.

He resigned from military service and joined the University of Dar es Salaam computing centre majoring in COMPUTER HARDWARE AND SOFTWARE MAINTENANCE while undergoing a course on Cisco computer and network fundamental certification. The he joined the Open University of Tanzania to pursue business administration in accounting foundation course.

CO-FOUNDER AND CEO

Then he registered in the same University following Bachelor degree in the same Course. In 2010 he joined Private Company as electronics technician dealing with EFDs' and Slightly Banknote machine troubleshooting.
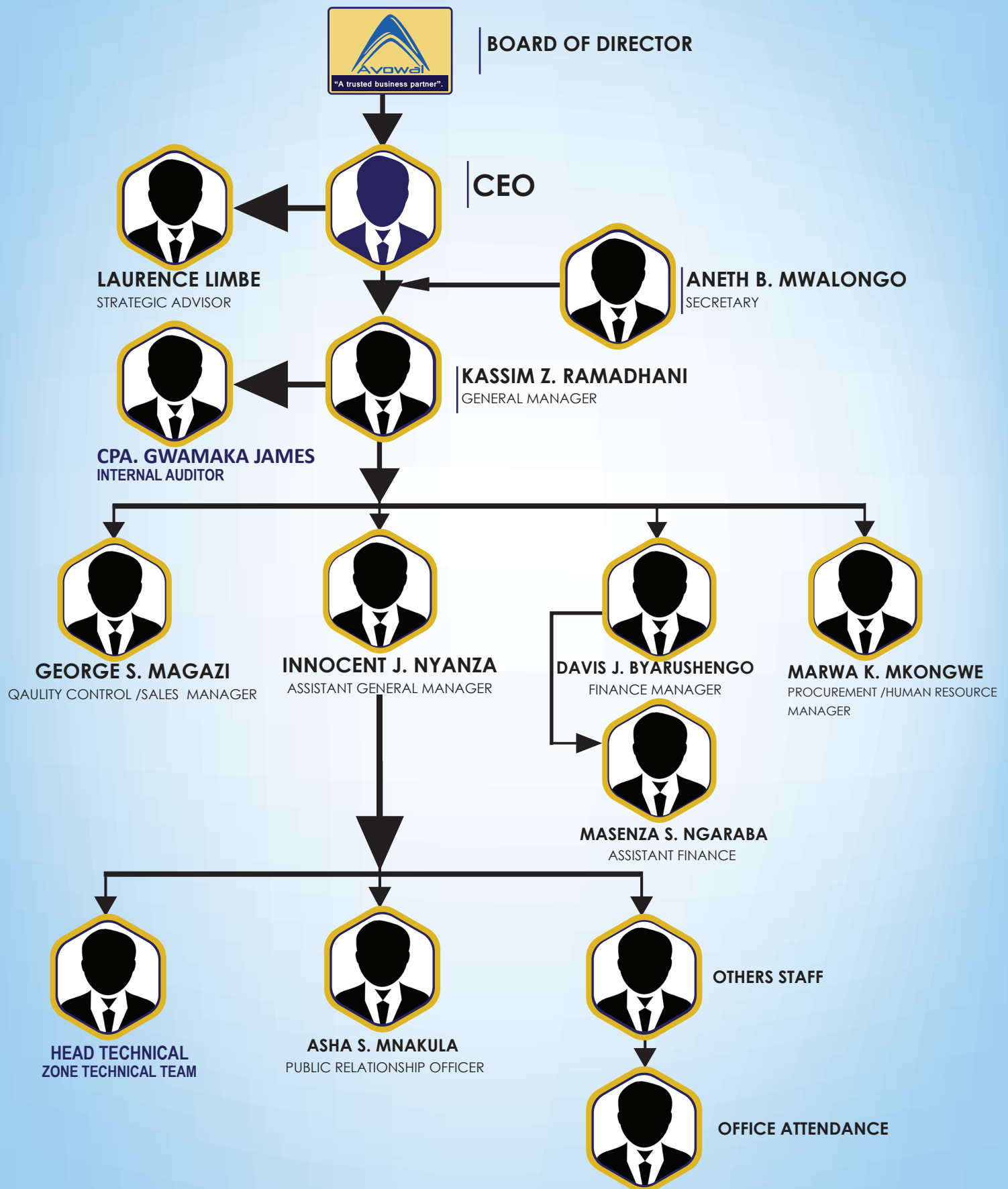
During employment period he managed to register a sole proprietor company known as AVOWAL General Supply selling no products.

Following the protest staged by Tanzanian businessmen against the use of Electronic Fiscal Devices (EFDs), a significant number of suppliers of these devices experienced adverse consequences, leading to employees lay-offs, but it is worth noting that this did not affect Mr. Mbogolo Mlekwa Kushaha. At the end of 2014 he resigned from employment to follow his dream.
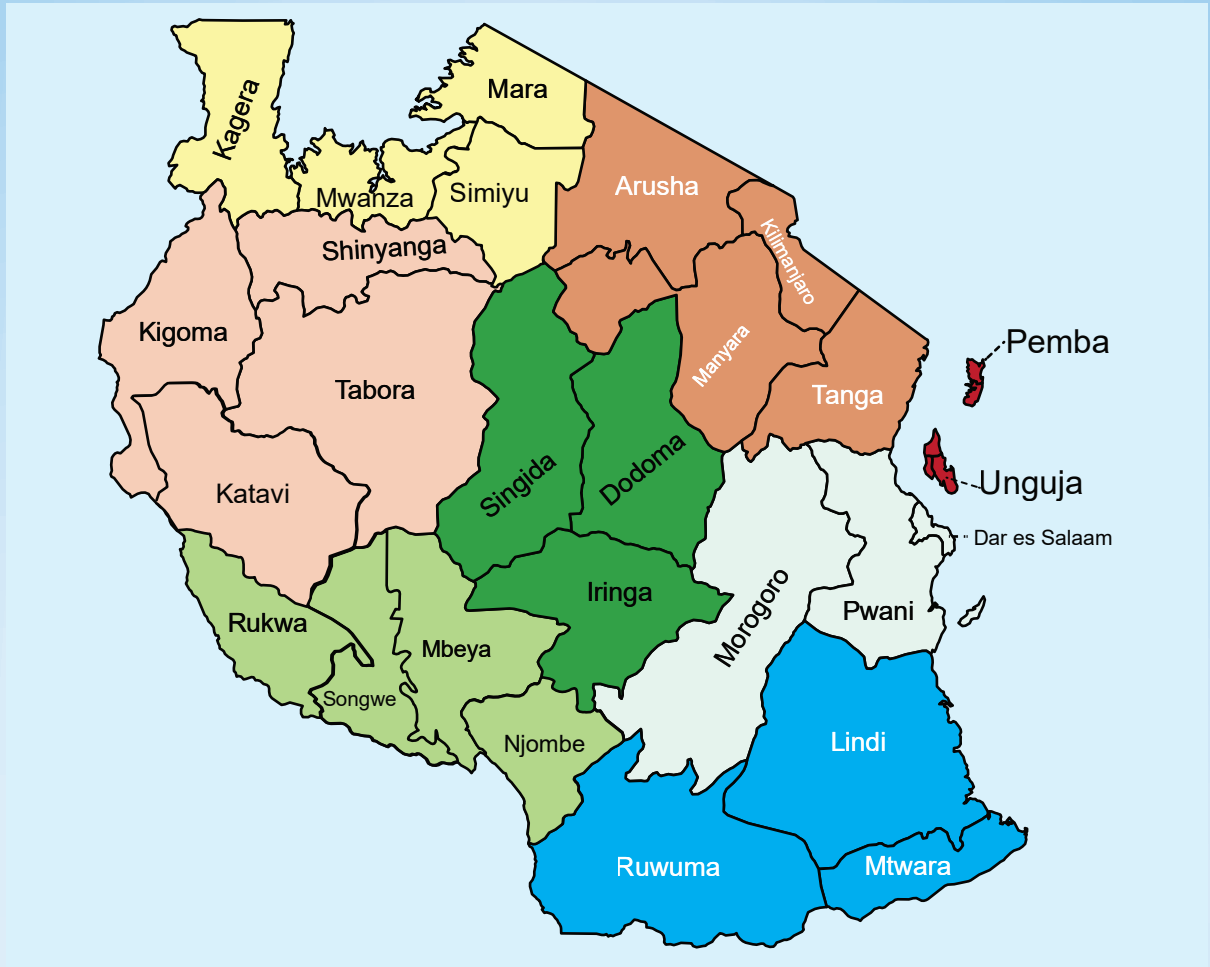
Co-founder and CEO with this history has business in his blood. He believes business is life and if it is life, so intensive customer handling/after sales services and quality products are primary factors for the firm's growth.

AVOWAL (T) LTD "A trusted business partner". Thank you

MANAGEMENT STRUCTURE

BOARD OF DIRECTOR

CEO

LAURENCE LIMBE
STRATEGIC ADVISOR

ANETH B. MWALONGO
SECRETARY

KASSIM Z. RAMADHANI
GENERAL MANAGER

CPA. GWAMAKA JAMES
INTERNAL AUDITOR

GEORGE S. MAGAZI
QAULITY CONTROL /SALES MANAGER

INNOCENT J. NYANZA
ASSISTANT GENERAL MANAGER

DAVIS J. BYARUSHENGO
FINANCE MANAGER

MARWA K. MKONGWE
PROCUREMENT /HUMAN RESOURCE MANAGER

MASENZA S. NGARABA
ASSISTANT FINANCE

HEAD TECHNICAL
ZONE TECHNICAL TEAM

ASHA S. MNAKULA
PUBLIC RELATIONSHIP OFFICER

OTHERS STAFF

OFFICE ATTENDANCE

ZONAL MAPS

ZONAL HEAD OFFICE & WORKSHOP

Color	Regions	Zone
	DAR ES SALAAM, PWANI & MOROGORO	DAR ES SALAAM
	TANGA, KILIMANJARO, ARUSHA & MANYARA	KILIMANJARO
	DODOMA, IRINGA & SINGIDA.	DODOMA
	LINDI, MTWARA & RUVUMA.	MTWARA
	MBEYA , SONGWE, RUKWA & NJOMBE.	MBEYA
	TABORA, KIGOMA, KATAVI & SHINYANGA.	KIGOMA
	SIMIYU,KAGERA, MWANZA & MARA.	MWANZA
	PEMBA & UNGUJA	UNGUJA

S200 - Android Mobile Terminal

Operating System
Android 13

Processor
Quad-core 32-bit, 2.0GHz

Card Readers
Magnetic Card Reader
MSR-ISO7810, ISO/IEC 7811, Track 1 / 2 / 3, bi-directional
Smart Card Reader
EMV L1 & L2
Supports 1.8V / 3V / 5V IC card
Contactless Card Reader
Mifare classic / Mifare Ultra light / Mifare DES Fire
ISO 14443 A / B
EMV / EMVC L1 / MasterCard Contactless / Visa payWave

Display
6.7-inch 720*1600 IPS
Capacitive multi-touch screen

Memory
RAM-2GB LPDDR, Flash-32GB eMMC
RAM-4GB LPDDR, Flash-64GB eMMC (Optional)

Printer
Built-in high speed thermal printer
Printing speed: >80mm/s
Paper roll diameter: 40mm, width: 58mm

Physical
L x W x H (mm): 200*80*56
Weight: 680g

Communications
4G / 3G / 2G
Wi-Fi: IEEE 802.11 a/b/g/n/ac, 2.4Ghz/5G
BT 5.1

Camera
Front: 2MP, FF
Rear: 5MP AF with auto flash & auto focus (Optional: 8MP / 13MP)
Supports 1D/2D code scanning

Peripheral Ports
1 x SIM / 2 x PSAM / 1 x SD / 1 x Type-C
2 x SIM / 1 x PSAM / 1 x SD / 1 x Type-C
（Optional）
6 PIN POGO PIN

Audio
Speaker

Battery
7.2V/3350mAh

Power Supply
Input: 110-240V AC, 50Hz / 60Hz, 0.5A
Output: 5V DC / 2A

Satellite Positioning
GPS / A-GPS / GLONASS / Beidou

Certifications
PCI PTS 6.x, EMV L1 & L2,
EMV Contactless L1,
MasterCard Contactless, Visa payWave,
American Express, Discover, PURE,
Quics, FCC, CE, UN38.3, WEEE, RoHS
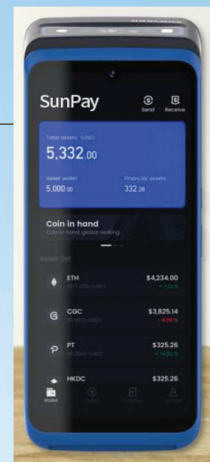
i80 - Android Mobile Terminal

Operating System
Android 10.x

Processor
ARM Quad-core Cortex Processor 1.4Ghz

Memory
8G Flash + 1G SDRAM
16G Flash + 2G SDRAM (Optional)
Micro SD (TF) card up to 128G

Printer
High-speed thermal printer
Print speed: 80mm/s
Paper width: 58mm (2.25-inch)

Display
5.5-inch 1280 x 720 pixels IPS hard screen
Multi-point capacitive touch screen
Supports electronic signature

Card Readers
Magnetic Card Reader
Track 1 / 2 / 3, bi-directional, ISO 7812-2
Smart Card Reader
Supports 3V / 5V IC card
ISO7816, EMV Level 1 & Level 2
Contactless Card Reader
Mifare classic / Mifare Ultra light / Mifare DES Fire / ISO 14443 A&B

Communications
4G: FDD-LTE / 3G: WCDMA / GPRS
Wi-Fi: 802.11b/g/n WLAN, Supports Hotspot
Bluetooth 2.1 – 4.0, Supports BLE

Satellite Positioning
GPS / A-GPS / GLONASS

Camera
Front: 0.3 Megapixel camera
Rear: 5 Megapixel camera with flash & AF
Supports 1D / 2D code scanning (Optional)

Peripheral Ports
2 x SIM / 1 x SAM / 1 x Type-C / 1 x SD

Charging Dock
Optional

Battery
7.2V 2600mAh rechargeable Li-ion battery

Security
Built-in PINPad (Virtual Keyboard)
ANSI X9.8 / ISO95 64, ANSI X9.9 / ISO8731
Master key / Session key
Fixed and DUKPT PIN secure resolutions
DES /3DES / RSA / SHA-256 / AES algorithms

Certifications
PCI PTS 6.x
EMV L1 & L2
EMV Contactless L1
MasterCard Contactless
Visa payWave
JCB Contactless

RuPay Contactless
American Express
Discover D-PAS
TQM
UPI
CE
RoHS

i50 - Android MiniPOS

Operating System
Android 10.x

Processor
ARM Quad-core Cortex Processor 1.4Ghz
32-bit secure processor

Memory
8GB Flash + 1GB SDRAM
16GB Flash + 2GB SDRAM (Optional)
Micro SD (TF) card up to 32G

Peripheral Ports
2 x SIM / 1 x SAM / 1 x SD / 1 x
Type-C

Satellite Positioning
GPS / GLONASS / BEIDOU

Display
5-inch 1280 x 720 pixels IPS Color
Display Capacitive Touchscreen

Card Readers
Magnetic Card Reader
Track1 / 2 / 3, bi-directional
ISO 7812-2

Smart Card Reader
Supports 3V / 5V IC card
ISO7816, EMV Level 1 & Level 2

Contactless Card Reader
Mifare classic / Mifare Ultra-light / Mifare
DES Fire / ISO 14443 A&B / Visa payWave
/ MasterCard Contactless

Communications
Wi-Fi (Supports Hotspot) / 4G / 3G / GPRS
/ Bluetooth

Camera
Front: 0.3 Megapixel
Rear: 5 Megapixel with Flash & AF

Scanner
Hard decoding module (Optional)

Audio
Buzzer / Speaker

Indicators
4 x Contactless transaction lights

Battery
3.7V / 2200mAh rechargeable Li-ion battery

Security
Built-in PINPad (Virtual Keyboard)
ANSI X9.8 / ISO95 64, ANSI X9.9 / ISO8731
Master key / Session key
Fixed and DUKPT PIN secure resolutions
DES /3DES / RSA / SHA-256 / AES algorithms
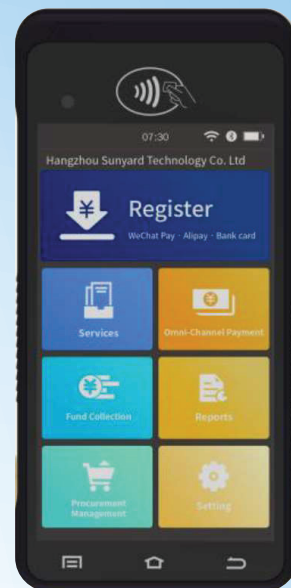
Certifications
PCI PTS 6.x
EMV L1 & L2
EMV Contactless L1
MasterCard Contactless
Visa payWave
JCB Contactless

S50A - Android Mobile Terminal

Operating System
Android 10.x

Processor
AP: Quad-Core ARM-Cortex-A53 1.4GHz
SP: ARMv7-M security core, 144MHz

Memory
8GB EMMC+1GB LPDDR3
16GB EMMC+2GB LPDDR3 (Optional)
Micro SD (TF card) up to 128GB

Printer
High-speed thermal printer
Paper roll diameter: 40mm, width: 58mm

Physical Key
Numeric*10, Functional*5

Display
4-inch 480 x 800 pixels
Capacitive touchscreen

Card Readers
Magnetic Card Reader
Track 1 / 2 / 3, bi-directional, ISO7810 / 7811

Smart Card Reader
EMV L1
ISO 7816 asynchronous T=0 & T=1

Contactless Card Reader
EMV Contactless L1
ISO/IEC 14443 Type A / B

Indicators
Charging light

Communications
4G / 3G / 2G
Wi-Fi: 2.4g (802.11 b/g/n)
Bluetooth 4.2

Audio
Buzzer

Camera
Front: 0.3MP FF (Optional) / 2MP AF
(Optional) / 5MP AF (Optional)

Peripheral Ports
2 x Micro SAM / 1 x Micro SIM or 1 x Micro
SAM / 2 x Micro SIM / 1 x Type-C

Battery
Li-ion battery, 7.4V/2600mAh
(Equal to 3.7V/5200mAh)

Power Supply
Input: 100-240V AC, 50Hz / 60Hz
Output: 5.0V DC / 2.0A

Certifications
PCI PTS 6.x
EMV L1 & L2
EMV Contactless L1
MasterCard Contactless
Visa payWave
Discover D-PAS
CE

▓ S700 / S700 PLUS - Android ECR

S700

Operating System
Android 11, multilingual

Processor
RK3566, Quad-core 64-bit Cortex-A55, up to 1.8GHz

Memory
RAM: 2G DDR4 ROM: 16G eMMC
RAM: 4G DDR4 ROM: 32G, 64G eMMC (Optional)

Power Adapter
12V / 2A

Physical Key
On / Off key *1
Debug key *1

Main Screen
15.6-inch 1366*768 / 15.6-inch 1920*1080 (Optional), G+G multi-touch capacitive screen

Communication
Wi-Fi :2.4G single band Wi-Fi
BT: BT4.2
Ethernet: 10M/100M adaptive

Speaker
2W*1, Stereo

Peripheral Ports
RJ45*1 Ethernet port
DC-IN*1 Power port
RJ12*1 cash box interface
Headphone jack *1
USB2.0*4, one of which supports OTG

S700 PLUS

Operating System
Android 11, multilingual

Processor
RK3568, Quad-core 64-bit Cortex-A55, up to 2.0GHz

Communication
Wi-Fi :2.4G single band Wi-Fi
BT: BT4.2
Ethernet: 10M/100M adaptive

Memory
RAM: 2G DDR4 ROM: 16G eMMC
RAM: 4G DDR4 ROM: 32G, 64G eMMC (Optional)

Speaker
2W*1, Stereo

Power Adapter
12V / 2A

Main Screen
15.6-inch 1366*768 / 15.6-inch 1920*1080 (Optional), G+G multi-touch capacitive screen

Customer Screen
10.1-inch, 800*1280

Physical Key
On / Off key *1
Debug key *1

Peripheral Ports
RJ45*1 Ethernet port
DC-IN*1 Power port
RJ12*1 cash box interface
Headphone jack *1
USB2.0*4, one of which supports OTG

▓ S800 / S800 PLUS - Android ECR

S800

Operating System
Android 11, multilingual

Processor
RK3566, Quad-core 64-bit Cortex-A55, up to 1.8GHz

Communication
Wi-Fi :2.4G single band Wi-Fi; BT: BT4.2; Ethernet: 10M/100M adaptive

Power Adapter
12V / 2.75A

Memory
RAM: 2G DDR4 ROM: 16G eMMC
RAM: 4G DDR4 ROM: 32G, 64G eMMC (Optional)

Printer
80mm thermal printer

Main Screen
15.6-inch 1366*768 / 15.6-inch 1920*1080 (Optional), G+G multi-touch capacitive screen

Speaker
2W*1, Stereo

Physical Key
On / Off key *1; Debug key *1

Peripheral Ports
RJ45*1 Ethernet port
DC-IN*1 Power port
RJ11*1
RJ12*1 cash box interface
USB2.0*4, one of which supports OTG

Headphone jack *1
TF card *1

S800 PLUS

Operating System
Android 11, multilingual

Processor
RK3568, Quad-core 64-bit Cortex-A55, up to 2.0GHz

Communication
Wi-Fi :2.4G single band Wi-Fi; BT: BT4.2; Ethernet: 10M/100M adaptive

Memory
RAM: 2G DDR4 ROM: 16G eMMC
RAM: 4G DDR4 ROM: 32G, 64G eMMC (Optional)

Speaker
2W*1, Stereo

Printer
80mm thermal printer

Power Adapter
12V / 2.75A

Main Screen
15.6-inch 1366*768 / 15.6-inch 1920*1080 (Optional), G+G multi-touch capacitive screen

Customer Screen
10.1-inch, 800*1280

Physical Key
On / Off key *1; Debug key *1

Peripheral Ports
RJ45*1 Ethernet port
DC-IN*1 Power port
RJ11*1
RJ12*1 cash box interface
USB2.0*4, one of which supports OTG
Headphone jack *1
TF card *1

P90 - PINpad

Processor
32-bit

Card Readers
Contactless Card Reader (Optional)
ISO 14443 Type A&B

Physical
L x W x H (mm): 134 x 76 x 54
Weight: 231g (with RS232 port)
194g (with USB port)

Display
2-line display LED backlit

Peripheral Ports
RS232 or USB port

Physical keys
10 numeric keys
6 function keys

Security
DES, 3DES, SHA-1, SHA-256
Supports sensitive data self-destruction when disassemble

Certifications
PCI PTS 6.x

Environmental
Operating Temperature 0°C ~ 50°C (32°F~122°F)
Storage Temperature
-20°C ~ 70°C (-4°F ~ 158°F)
Relative Humidity
10% ~ 96% (Non-condensing)

S600 / S600 PLUS - Android ECR

S600

Operating System
Android 11, multilingual

Processor
RK3566, Quad-core 64-bit Cortex-A55, up to 1.8GHz

Memory
RAM: 2G DDR4 ROM: 16G eMMC
RAM: 4G DDR4 ROM: 32G, 64G eMMC (Optional)

Physical Key
On / Off key *1
Debug key *1

Power Adapter
12V / 2A

Main Screen
15.6-inch 1366*768, G+G multi-touch capacitive screen

Communication
Wi-Fi :2.4G single band Wi-Fi
BT: BT4.2
Ethernet: 10M/100M adaptive

Speaker
2W*1, Stereo

Peripheral Ports
RJ45*1 Ethernet port
DC-IN*1 Power port
RJ12*1 cash box interface
Headphone jack *1
USB2.0*4, one of which supports OTG

S600 PLUS

Operating System
Android 11, multilingual

Processor
RK3568, Quad-core 64-bit Cortex-A55, up to 2.0GHz

Communication
Wi-Fi :2.4G single band Wi-Fi
BT: BT4.2
Ethernet: 10M/100M adaptive

Memory
RAM: 2G DDR4 ROM: 16G eMMC
RAM: 4G DDR4 ROM: 32G, 64G eMMC (Optional)

Speaker
2W*1, Stereo

Power Adapter
12V / 3A

Main Screen
15.6-inch 1366*768 / 15.6-inch 1920*1080 (Optional), G+G multi-touch capacitive screen

Customer Screen
10.1-inch, 800*1280

Physical Key
On / Off key *1
Debug key *1

Peripheral Ports
RJ45*1 Ethernet port
DC-IN*1 Power port
RJ12*1 cash box interface
Headphone jack *1
USB2.0*4, one of which supports OTG

VQR700 / VQR760 - Cloud Payment Speaker

VQR700

Display
2.4 inch TFT color screen

Communications
4G / 4G + Wi-Fi

Physical Keys
1 x Power key
1 x Volume "+" key
1 x Volume "-" key
1 x Function key
1 x Reset key

Indicators
Three-color light

Speaker
3W loud speaker

Battery
2000mAh lithium battery

Physical
L x W x H (mm): 90 x 66 x 44
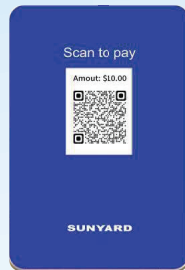
Peripheral Ports
Nano SIM card, compatible with E-SIM card

Audio
Built-in voice package,
support OTA voice package expansion

Power Supply
Micro 5pin 5V / 1A

Environmental
Operating Temperature: -10°C~60°C

VQR760

Display
2.4 inch TFT color screen

Communications
4G / 4G + Wi-Fi

Speaker
3W HD speaker

Physical Keys
1 x Power key
1 x Volume "+" key
1 x Volume "-" key
1 x Network configuration key
1 x Playback key

Indicators
Three-color light

Back Screen Display
8 digit screen (Optional)

Battery
2000mAh or
2500mAh Li-Polymer battery (Optional)

Physical
L x W x H (mm): 142.6x99.6x89

Peripheral Ports
Nano SIM card
1 x Type-C

Audio
Built-in voice package

Power Supply
5V / 1A

Mi368 - Card Reader

Supported Operating System
Windows 10/11
macOS 11/12
Ubuntu 20.04/22.04

Physical
Weight (g): 33
L x W x H (mm): 62 x 80.8 x 6.7

Buzzer
Support

Indicators
4 LED

Card Readers
Smart Card Reader
ISO7816
Contactless Card Reader
ISO 14443 / Type A&B / M1

Peripheral Ports
1 x Type-C

Power Supply
5V

Communication Distance
≤ 2cm

Environmental
Operating Temperature: 0°C~50°C
Storage Temperature: -20°C ~ 70°C

Certifications
EMV L1
EMV Contactless L1

信雅达
SUNYARD

i80

Android Mobile Terminal

i80

信雅达
SUNYARD

7:00 AM

Consumer Business

Pre-authorized Service

E - cash

Settings

WeChat Pay

Alipay
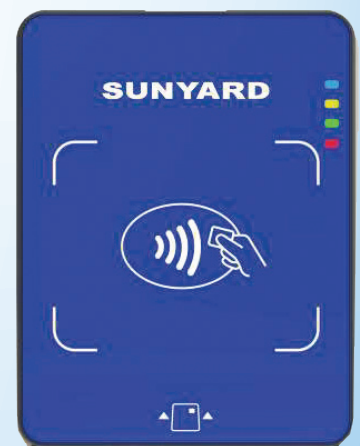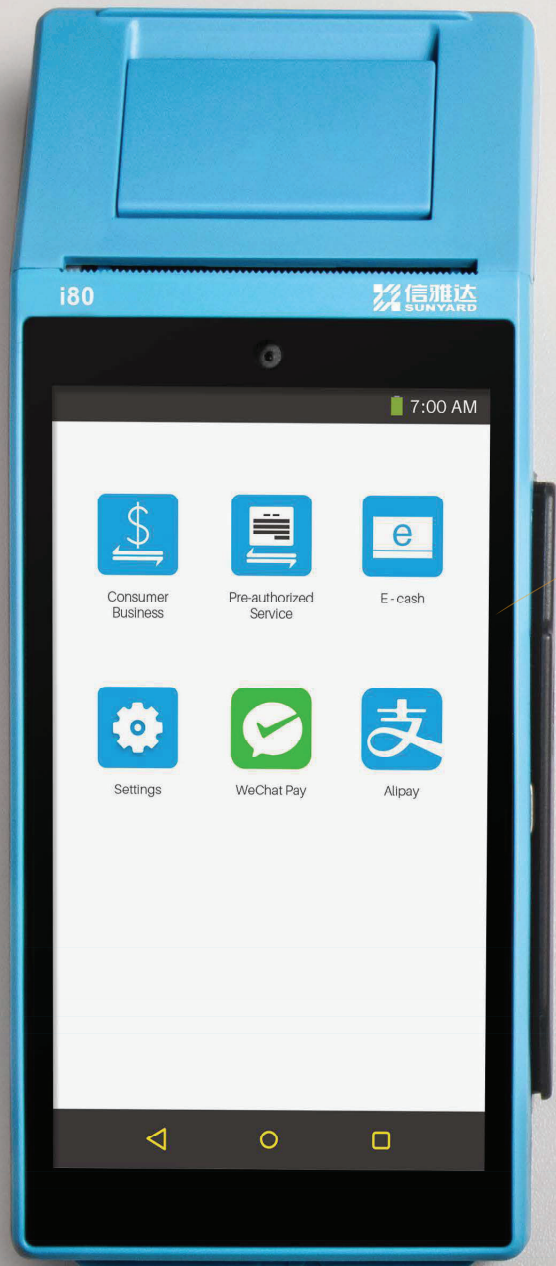
Android
Operating System

PC PTS
6.x Certified

Large 5.5 inch
PS Hard Screen

Omni channel
Payment

Wi Fi, Bluetooth
4G, 3G, GPRS

info@sunyard.com   www.sydtech.com.cn   www.sunyard.com

HIGHLIGHTS

- Powered by a state-of-the-art processor
- Designed in a gorgeous fashion with feasible graphical user interface
- Swift response to ensure seamless transactions at anytime, anywhere
- Multi-protections with international certifications and risk-adaptive security
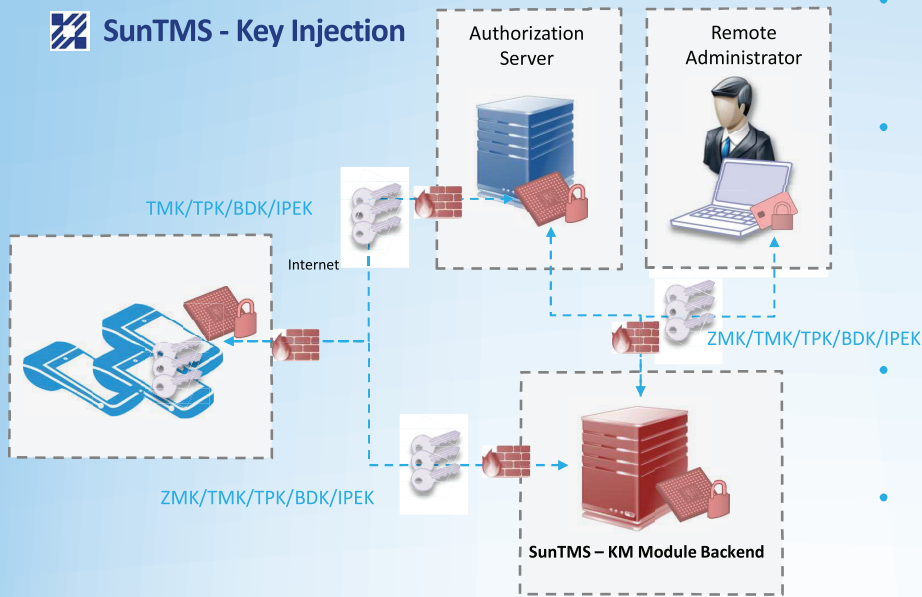- Support value-added software development

SPECIFICATIONS

Operating System	Android 10.x	
Processor	ARM Quad-core processor 1.4Ghz	
Memory	8GB Flash + 1GB SDRAM 16GB Flash + 2GB SDRAM (Optional) Micro SD (TF) card up to 128G	
Display	5.5-inch 1280 x 720 pixels IPS hard screen Multi-point capacitive touch screen Supports electronic signature	
Physical Key	1 x ON / OFF key	
Printer	High-speed thermal printer Print speed: 80mm/s Paper width: 58mm (2.25-inch)	
Card Readers	**Magnetic Card Reader** Track1 / 2 / 3, Bi-directional ISO 7812-2 **Contactless Card Reader** Mifare classic / Mifare Ultralight / Mifare DES Fire ISO 14443 A & B	**Smart Card Reader** Supports 3V / 5V IC card ISO7816 , EMV Level 1 & Level 2
Communications	4G / 3G / GPRS / Wi-Fi , supports hotspot / Bluetooth, supports BLE	
Satellite Positioning	GPS / A-GPS / Beidou GPS : 1575MHz	
Peripheral Ports	2 x SIM 1 x SAM 1 x Type-C 1 x SD	
Charging Dock	Optional	
Camera	Front: 0.3 Megapixel camera Supports 1D / 2D code scanning Rear: 5 Megapixel camera with flash & AF	
Audio	Speaker / Microphone / Buzzer	
Fingerprint Module(Optional)	Sensing area: 18mm x 12.8mm Fingerprint image size: 256 x 360 pixel Image resolution: 508 dpi	
Docking Station(Optional)	Pogopin host connection 2 x USBA host ports Micro USB power supply	
Security	Built-in PINPad (virtual keyboard) ANSI X9.8 / ISO95 64, ANSI X9.9 / ISO8731 Master key / Session key Fixed and DUKPT PIN secure resolutions DES / 3DES / RSA / SHA-256 / AES algorithms	
Power	Input: 110-240V AC, 50Hz / 60Hz, 0.5A Output: 5V DC / 2A Micro USB port, anti-lightning, anti-static-electricity	
Battery	7.2V / 2600mAh rechargeable Li-ion battery	
Physical	L x W x H (mm): 200 x 85 x 55 Weight : 438g (Including Battery)	
Environmental	0°C ~ 50°C (32°F ~ 122°F) Operating Temperature -20°C ~ 70°C (-4°F ~ 158°F) Storage Temperature 10% ~ 96% Relative Humidity , Non-Condensing	
Certifications	PCI PTS 6.x Visa payWave Discover D-PAS EMV L1 & L2 JCB Contactless TQM EMV Contactless L1 RuPay Contactless UPI MasterCard Contactless American Express CE & RoHS	

Android Mobile Terminal

SunTMS - Key Injection

Authorization Server

Remote Administrator

TMK/TPK/BDK/IPEK

Internet

ZMK/TMK/TPK/BDK/IPEK

ZMK/TMK/TPK/BDK/IPEK

SunTMS – KM Module Backend

- **End-to-end protection** & control of critical data from SunTMS to POS device
- **Secure monitoring & metering of injection** success, quantity, location and time for controlling legitimacy, delivery timing & capacity schedule.
- **High-performance onsite cryptography** with **HSM**
- **Online delivery mode** (e.g., via mutually authenticated TLS connection) and additional container encryption

SunPay – Technical Structure

Billers & VAS
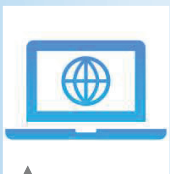
- Rest APIs
- SOAP Web Services
- ISO8583

Banking

- Rest APIs
- ISO8583
- Nexo Acquiring
- Hypercom
- SPDH
- XML SOAP

Retail

- Concert
- Nexo Retail
- Generic DLL

SunPay	SMA (SunTMS Mobile Agent)

Sunyard SDK

Sunyard EMV Kernel

Sales Revenue & Shipments in 2022

POS Terminal Manufacturers' Market Shares

Total Shipments and Shares in 2022 vs. 2021

RANK	MANUFACTURER	2022 SHIPMENTS	2022 SHARE	2021 SHIPMENTS	2021 SHARE
1	Newland Payment Tech.	12,305,000	8.30%	11,235,000	7.91%
2	Tianyu	11,216,664	7.56%	10,540,384	7.42%
3	Pax Technology	10,921,583	7.36%	12,018,101	8.47%
4	Centerm	9,570,300	6.45%	8,779,324	6.18%
5	New POS	8,965,372	6.05%	8,522,814	6.00%
6	Landi[1]	8,223,000	5.55%	--	--
7	MoreFun	8,113,200	5.47%	8,173,239	5.76%
8	Verifone	8,052,700	5.43%	8,328,500	5.87%
9	Ingenico[2]	7,876,200	5.31%	--	--
10	Vanstone (Aisino)	7,791,400	5.25%	6,475,800	4.56%
11		6,605,092	4.45%	4,547,608	3.20%
12		5,413,996	3.65%	3,661,556	2.58%
13		5,125,591	3.46%	5,261,076	3.71%
14		4,443,000	3.00%	4,627,000	3.26%
15		4,240,600	2.86%	3,863,000	2.72%
16	Dynamicode	3,828,272	2.58%	3,592,846	2.53%
17	YZ Intelligence Tech.	2,886,600	1.95%	413,600	0.29%
18	Sunyard	2,157,290	1.45%	1,955,651	1.38%
19	Datecs	2,129,853	1.44%	1,672,019	1.18%
20	Stripe (including BBPOS)	1,825,022	1.23%	508,229	0.36%
21	Trendit	1,817,000	1.23%	2,424,000	1.71%
22	SZZT	1,779,500	1.20%	1,792,800	1.26%
23	TopWise	1,471,472	0.99%	2,818,836	1.99%
24	Smartpeak	1,455,000	0.98%	1,319,000	0.93%
25	Telepower	1,372,553	0.93%	1,456,485	1.03%
26	Wiseasy	1,013,771	0.68%	1,239,126	0.87%
27	Gertec	1,004,974	0.68%	752,564	0.53%
28	Spectra	963,850	0.65%	963,165	0.68%
29	WizarPOS	870,050	0.59%	743,900	0.52%
30	Fiserv/Clover	781,200	0.53%	713,772	0.50%
31	Urovo	763,408	0.51%	548,387	0.39%
32	JTact	504,210	0.34%	4,780,268	3.37%
33	ID Tech	446,900	0.30%	449,437	0.32%
34	Justtide	416,000	0.28%	490,000	0.35%
35	Equinox	291,900	0.20%	283,200	0.20%
36	Nayax+OTI	248,250	0.17%	254,574	0.18%
37	Square	218,100	0.15%	191,500	0.13%
38	Feitian	195,231	0.13%	868,000	0.61%
39	Cantaloupe	166,268	0.11%	87,246	0.06%
40	Ciontek	160,700	0.11%	181,500	0.13%
41	SCSPro	152,873	0.10%	58,460	0.04%
42	UIC	149,703	0.10%	172,485	0.12%
43	Panasonic Connect	144,200	0.10%	150,300	0.11%
44	Linkwell	60,403	0.04%	50,633	0.04%
45	Feig Electronic	59,100	0.04%	55,200	0.04%
46	HP	34,100	0.02%	31,500	0.02%
47	CCV	31,500	0.02%	27,500	0.02%
48	Toshiba Tec	28,000	0.02%	48,000	0.03%
--	Worldline/Ingenico[3]	--	--	14,132,702	9.96%
--	YouTransactor	--	--	697,300	0.49%
--	Thumbzup	--	--	3,150	<0.01%
	TOTAL	148,290,951	100.00%	141,960,737	100.00%

CAGR: 13.6%

2018	2019	2020	2021	2022
1300	1530	1760	1957	2165

POS Terminal Shipments (thousands)
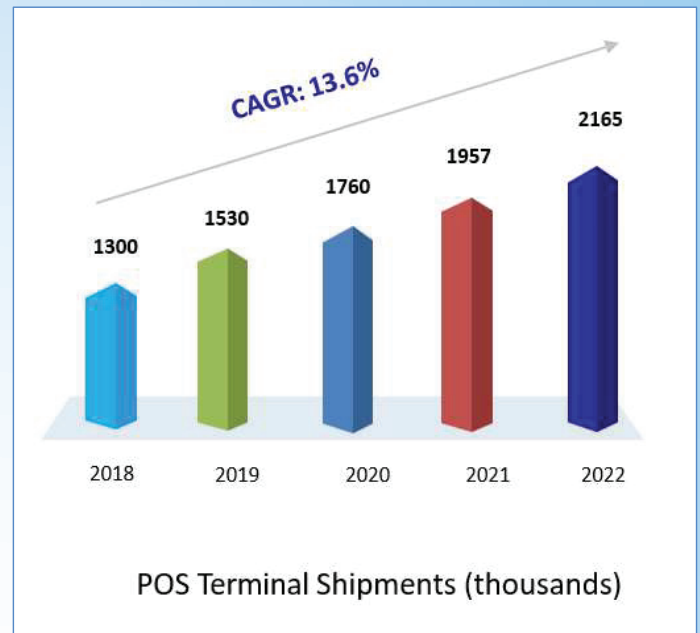
2022 Total Shipments : 2,157,290 units

Shipments : 13,765,000 units from 1999

Global Qualification

45001 | CMMI5 | ISO20000 | ISO22301 | ISO27001 | ISO9001

express pay | Visa payWave | mastercard | DISCOVER | EMVCo. | JCB

PCI DSS COMPLIANT | PURE Payments | Mastercard TQM | RoHS | RuPay | UnionPay Quick Pass

SUNYARD TECHNOLOGY

Sunyard Technology Co., Ltd established in 1999, is the global leading payment solution provider, offering cost-effective and superior quality payment terminals and financial software products including payment password systems, same-city liquidation solutions, corporate e-bank systems, risk alarm systems, etc.

As the earliest listed financial IT company in China (SSE Code: 600571), Sunyard has achieved the leading position in the field of the financial industry with more than two decades of professional experience. Based on its solid foundation in the domestic market and its long-term development strategy, Sunyard is committed to expanding international market.

Established
in 1999

Listed
in 2002

Stock Code
600571

Total Staffs
9,468+

Factory and Production Capacity

1 Factory

5000㎡+
Square meters factory

2 Capacity

Up to 10,000,000 sets
Production capacity per year

3 Quality

ISO9001 & TQM

Overall quality management assurance

4 Testing

High Quality Control System

Quality is the priority at Sunyard
A more rigorous testing procedure

SunPay - Android Payment Application

Bank Card Transactions
- Purchase
- Void
- Refund
- Reversal
- Cash Back
- Cash Advance
- Balance Inquiry
- Pre-Auth.
- Settlements
- Cancel

EMV
- UPI
- Visa
- MasterCard
- AMEX
- JCB
- Discover
- MIR/RuPay/PURE/NSIC
- CS

Key Methods
- MK / SK
- DUKPT

Key Loading Device
- Manual Input
- From IC Card
- Download from SunTMS
- Download from Bank
- Acquirer System

Protocols
- 1SO8583
- Nexo
- Hypercom
- JSON
- TLV
- Concert
- SPDH
- SOAP
- Rest APIs

Store Manager
- Inventory
- Staff
- Supplier
- Purchase
- Expense
- Loyalty / Rewards

Code / Mobile Payments
- POS Scan Customer
- Customer Scan POS
- Inquiry
- Refund
- Cancel
- Coupon Scan

Printer Support
- Local Printer
- BT Printer
- IP Printer(ESC / POS)

Card Operation Type
- Contact ICC
- Contactless ICC
- Magnetic Stripe Cards

Parameters Config
- Local Config
- Import from SD Card
- Download from SunTMS
- Download from Bank
- Acquirer System

Payment Types
- Cash / Card / Mobile
- Payments
- Split Payments
- Installments
- Tips
- Offline Sales
- ECR Payments

Others
- Topup / Evouchers
- Bill Payments
- ON US Cards
- Multi Language
- mPOS and POS Support
- Android Smart Phone
- Support
- ECR Support

SunPay - Payment Compliance

SunPay Mobile Payment Compatibility

AliPay   WeChat Pay   UnionPay QR

Masterpass QR   3rd Party Wallet Payments

SunPay Compatibility for L3 Payment Certification

China UnionPay
- UTVT - Pass

UnionPay International
- UAC - Pass

Visa
- ADVT - Pass
- CDET - Pass

Mastercard
- MTIP - Pass

American Express
- AEIPS - Pass

Discover
- E2E - Pass

Sunyard Payment Ecosystem
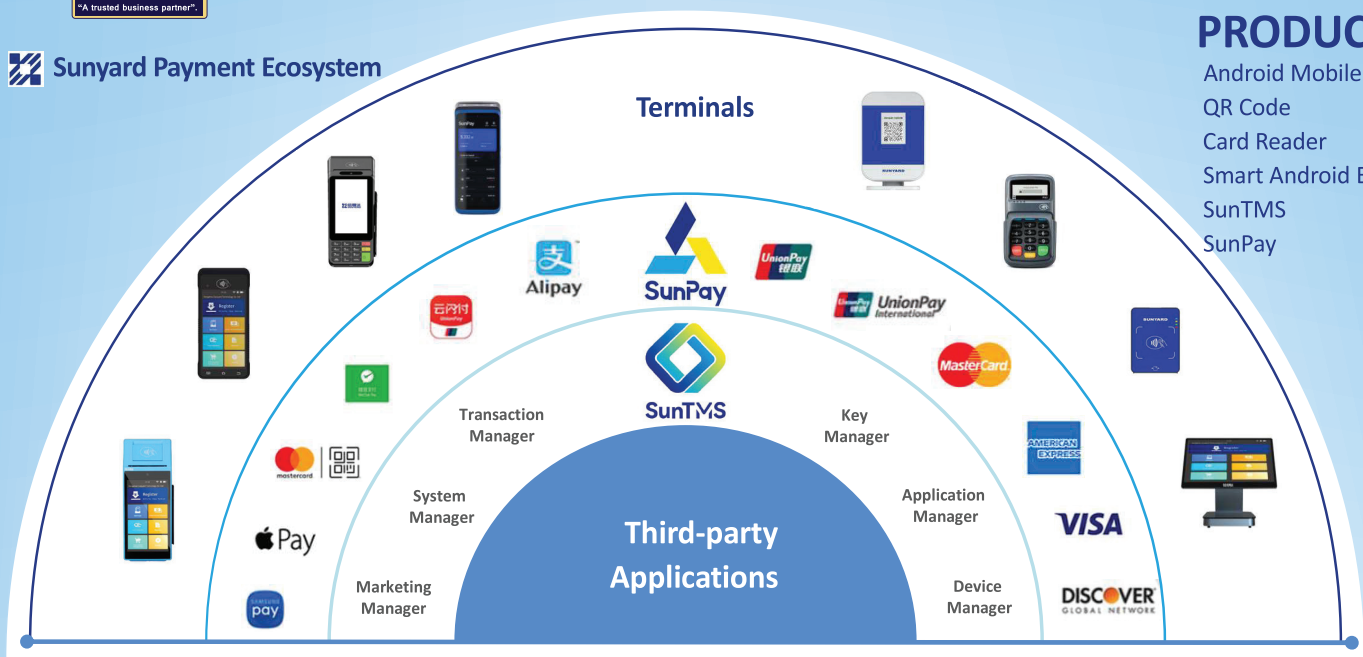
PRODUCTS
Android Mobile POS
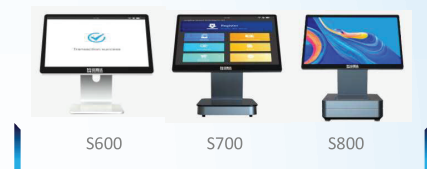QR Code
Card Reader
Smart Android ECR
SunTMS
SunPay

Terminals

Alipay
SunPay
UnionPay
SunTMS
UnionPay International
MasterCard
AMERICAN EXPRESS
VISA
DISCOVER GLOBAL NETWORK
mastercard
Pay
sunyard pay

Transaction Manager
Key Manager
System Manager
Application Manager
Marketing Manager
Device Manager

Third-party Applications

Product Roadmap

VQR760   VQR700   Mi368   P90

S600   S700   S800

i80   i50   S50A   S200

Android Mobile POS

QR / PINPad

Smart Android ECR

PAYMENT SOFTWARE SOLUTIONS

SunPay - Android Payment Application

Android Smart POS Application

SunPay
Register

SunPay

Android Smartphone Application

BT mPOS

Bluetooth
Connected

- Highly compatible and deeply flexible payment application based on the Android system.
- A variety of rich forms of payment scenarios and convenient value-added services.

![Avowal logo - "A trusted business partner"]

SunTMS

Device Manager

Device Remote Control	Dashboard
RSA Public Key Ex.	APP Management
Multi Geo Fence	OTA Management
Location Tracking	Boot Screen Manager
Device Analysis	Message Manager
3rd Party Device Mgmt.	Wallpaper Manager

Remote Key Manager

- Generate / Capture
- Certificate Validation
- Keys Push / Pull
- LMK / ZMK / TMK / BDK List
- Key Lifecycle Manager
- Device Attestation

Transaction Manager

Acquirer Para	Merchant Para
POS Para	General Para
Advertising Para	Currency Para
Receipt Para	BIN Para
Prefix Para	MCC
DCC	EMV Para

App Manager

- App Market
- App Publish Install / Delete / Update
- App Signature
- App Policies
- App Permission / Restriction
- 3rd Party App Market Integrator

Support Manager

- Ticket Center
- Document Manager
- Task Manager
- Dashboard
- Reports

Customer Manager

- Partner Manager
- Merchant Manager
- Store Manager
- Developer Manager
- License Manager
- Inventory Manager

User Manager

- User Management
- Role Management
- Permission Management
- Sys Resource Management

Open API

- Device Manager
- Grouping Management
- Geo Fence
- 3rd Party Integrator
- Key Integrator

Report Manager

Device Report	Update Reoort
Location Report	Audit Trail
Download Renort	Transaction / System Logs
Version Report	Inventory Report
Failed Report	Firmware Report
Application Report	Diagnostic Report

Marketing Manager

- Campaign Manager
- Media Manager
- Adds Planner
- Adds Reporter
- Message Manager

Robust combination of technology & cloud services for evolving market

AWS CloudHSM

PCI Security Standards Council

MY HSM by utimaco

🔒 Strong Password Enforcement

🔑 Instant Lock/Unlock Features

👤 Remote Wipe Out

🔄 OS Update Management

FRP Deactivation

⚙️ Factory Reset Block
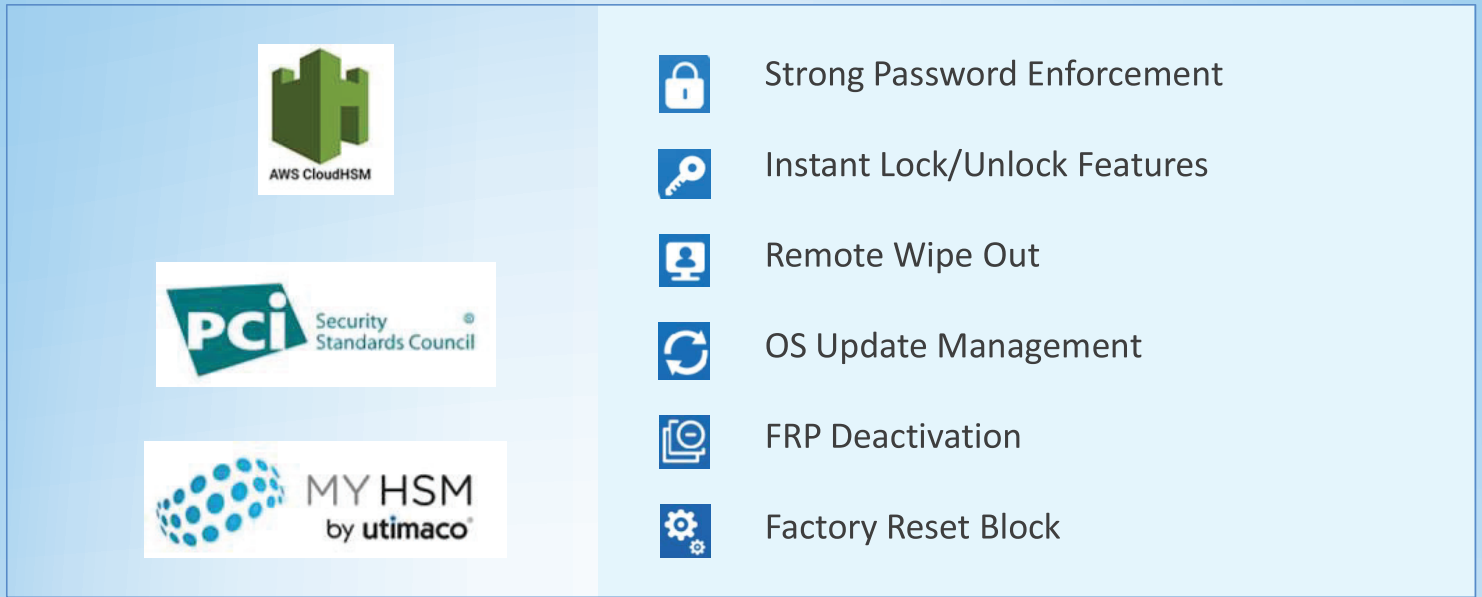
SunTMS - Pull & Push Architecture

Marketing Manager	System Manager
Transaction Manager	Application Manager
Key Manager	Device Manager

PPM

KAFKA Cluster

Push KAFKA Broker

Pull KAFKA Broker

S200   i80   i50

3rd Party Android POS

Traditional /Linux POS

Android Smart Phone
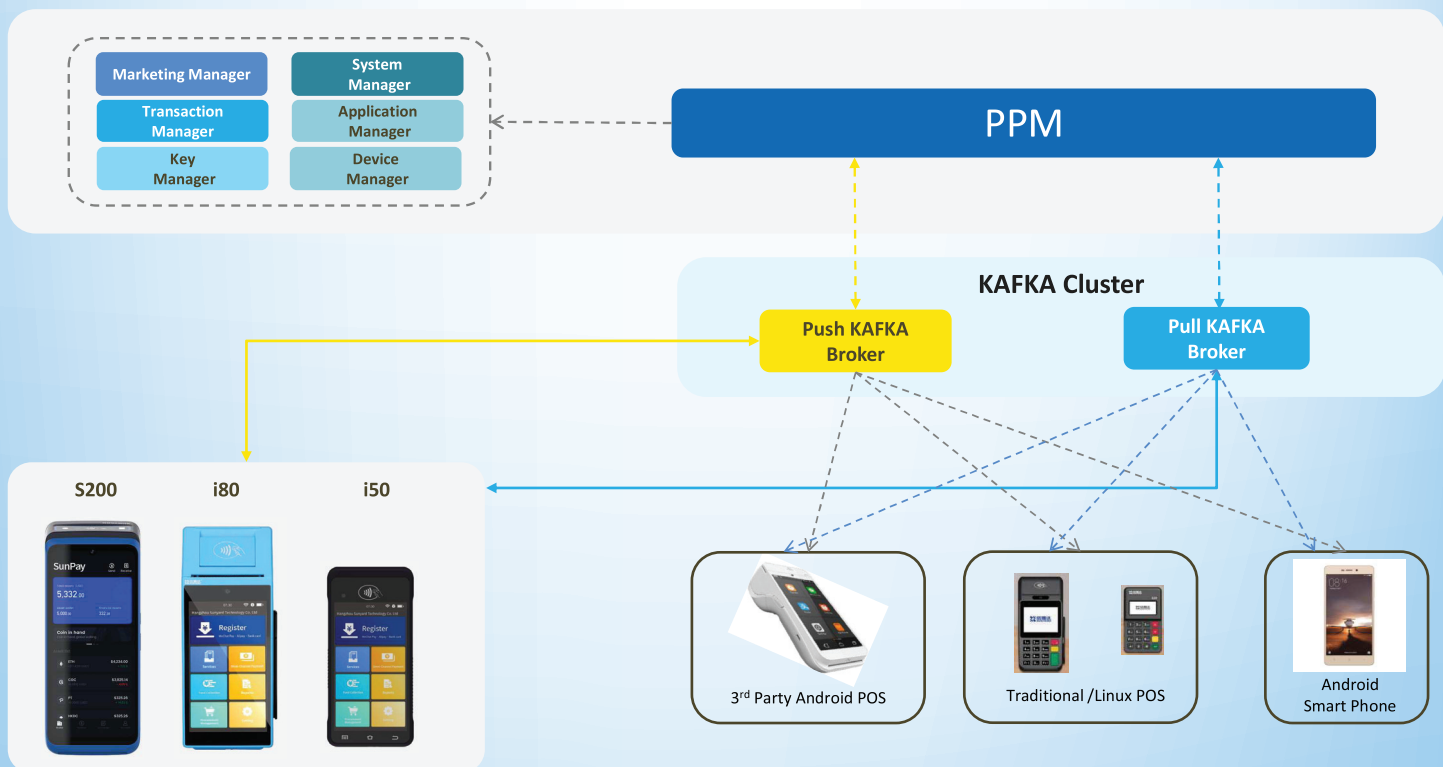
OUR PARTNERS

1. MAGNER INTERNATIONAL CORP (USA)
2. AMBWENE KONZO LTD (TANZANIA)
3. NATIONAL MICROFINANCE BANK (NMB-TANZANIA)
4. AMANA BANK (TANZANIA)
5. DIAMOND TRUST BANK (TANZANIA)
6. HANGZHOU SUNYARD TECHNOLOGY CO LTD (CHINA)
7. WINHAO ELECTRONICS CO LTD (CHINA)
8. KICHUPA COMPANY LIMITED (KCL-TANZANIA)
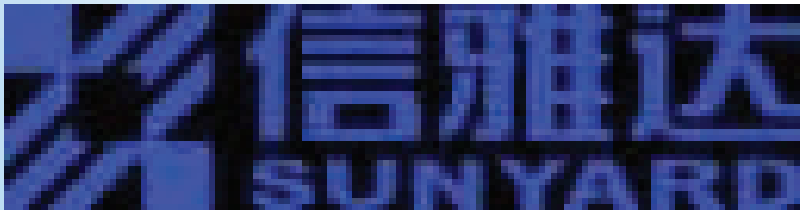
SOME CLIENTS.

1. BAKHRESA FOODS PRODUCT LTD
2. MAWENI LIMESTONE LTD

OTHERS

INCOTEX 300Sm

INCOTEX 118F

MAGNER 2000 series.

Introducing the next benchmark in cash Counting, **MAGNER 2000 series.**

Our new 2-pocket sorter MAGNER 2000 has been designed and constructed to meet every requirement and exceed all expectations. The result of 5-years of innovation and artistry, the MAGNER 2000 boasts ultramodern features including:

Dust Cover (activatable)

Internal memory (an archive of information about each individual transaction of the machine up to 1-year)

Multi-currency and Auto-currency counting modes

Heavy-duty construction (100% made in Korea, with only rollers and no bands)

State-of-the-art counterfeit detection and verification by Dual CIS, Full-line MG, IRT, IRR, UV, VWR

Serial number reading & comparison

Large touchscreen color LCD display

Multi-user capability, LAN & SD card capability

Connectivity (USB or Serial), Ionizer (*optional

MAGNER 3000
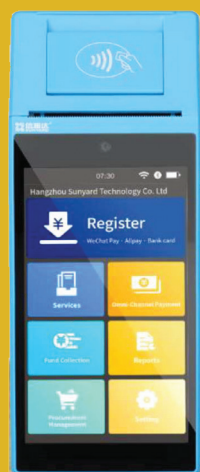
POS i80

INCOTEX 133M

EFD'S & VFD'S

Page No - 24

VFD PRITER

Certification & Licence

Certification & Licence

Business Licence (Left)

THE UNITED REPUBLIC OF TANZANIA

BUSINESS LICENCE

B.L. NO : BL01396902023-2400027290

The Business Licensing Act (Act No. 25 of 1972)

Issuing Office: DAR ES SALAAM CITY COUNCIL

Tax Identification No: 130-828-779

License Issued To : AVOWAL (T) LIMITED

for the Business of : SUB WHOLESALE OF ELECTRICAL ITEMS

Business Location

Region : Dar es Salaam

Ward Gerezani

Street Gerezani Mashariki

Principal/Branch : PRINCIPAL

Amount of Fee Paid : 200,000.00

Date Of Issue: 2024-01-05

Expiring Date : 2025-01-04

This is Digital Copy does not require a signature of authority

NOTE - This license must be kept in a conspicuous position at the place of business. Any change in the particulars originally registered must be notified to the license Issuer

Business Licence (Right)

THE UNITED REPUBLIC OF TANZANIA

BUSINESS LICENCE

B.L. NO : BL01396902023-2400033287

The Business Licensing Act (Act No. 25 of 1972)

Issuing Office: DAR ES SALAAM CITY COUNCIL

Tax Identification No: 130-828-779

License Issued To : AVOWAL (T) LIMITED

for the Business of : RETAIL COMPUTER & ACCESSORIES

Business Location

Region : Dar es Salaam

Ward Gerezani

Street Gerezani Mashariki

Principal/Branch : PRINCIPAL

Amount of Fee Paid : 200,000.00

Date Of Issue: 2024-03-13

Expiring Date : 2025-03-12

This is Digital Copy does not require a signature of authority

NOTE - This license must be kept in a conspicuous position at the place of business. Any change in the particulars originally registered must be notified to the license Issuer

Tanzania Revenue Authority Certificate

CTIN.: 1500137

ISO 9001:2008 Certified

TANZANIA REVENUE AUTHORITY

CERTIFICATE OF REGISTRATION

FOR

TAXPAYER IDENTIFICATION NUMBER (TIN)

(ISSUED UNDER SECTION 133 OF THE INCOME TAX ACT NO. 11 OF 2004)

THIS IS TO CERTIFY THAT

MBOGOLO MLEKWA KUSHAHA

T/A AVOWAL GENERAL SUPPLY

has been registered with the Tanzania Revenue Authority and assigned the Taxpayer Identification Number

114-392-731

with effect from 24-08-2011

OFFICIAL SEAL

P. N. Kassera

COMMISSIONER FOR DOMESTIC REVENUE

Police Clearance Certificate

THE UNITED REPUBLIC OF TANZANIA
MINISTRY OF HOME AFFAIRS
TANZANIA POLICE FORCE

TELEGRAMES: **DFB**
PHONES: **2110006**
EMAIL:forensichq@tpf.go.tz

FORENSIC BUREAU,
P.O.BOX.9O94,
DAR ES SALAAM,
TANZANIA.

REF: FB/FP/G.4/2024/VOL.V/3862

Date: 17/05/2024

TO WHOM IT MAY CONCERN

SUB: POLICE CLEARANCE CERTIFICATE

This is to certify that the search of fingerprints of **MBOGOLO MLEKWA KUSHAHA,** to trace criminal antecedents, has been made in the collection of fingerprints of persons whose convictions are registered here to date, but with a negative result.

SEMENI I. KABELWA - A/INSP
FINGERPRINTS OFFICER APPOINTED
UNDER SEC. 141 (2) OF THE CPA

FORENSIC BUREAU
DAR ES SALAAM

The date of expiration is : 17/11/2024

Avowal
"A trusted business partner".

AVOWAL (T) LTD

Company Profile

CONTACT US

🏠 **Livingstone / Kipata Street, Plot no. 60 Yellow mark No.9,**
Kipata Street Mazzanine floor, P.O.Box 40060
Dar es salaam,Tanzania

📞 **:+255 22 2181900, :+255 758 950950 / +255 714 576920**

✉ :info@avowal.co.tz /CEO- :mbogolo.kushaha@avowal.co.tz /
GM- :kassim.ramadhan@avowal.co.tz