Technical data (2/4)

Battery Li-ion Polymer | 1200mAh | V3.7 | 85% efficiency	After 300 cycles 80%
ACTIVE - Components table	**Components drain rate**
Finger sensor GYWM045-0 V3.3 - V3.6	45 mA
STM32L051C8T6 32Mhz 1.65V - V3.6	2.8 mA
EEPROM AT24C512C V2.7 - V5.5	1.5 mA
1.Solenoid RSH20L V3 retracts/expands 6 mm	200 mA
Component current drain per Hour (example 7x daily uses)	Daily drain mA
Finger sensor (7 uses multiply* with 1sec.= **7 sec/Hour**) (Formula: sec/Hr * mA =resultmAh) **7**/3600 x 45 = 0.0875	0.0875 mAh/24 = 0.003646 mA
MCU (7 uses multiply* with 4sec.= **28 sec/Hour**) (Formula: sec/Hr * mA =resultmAh) **28**/3600 x 2.8 = 0.02178	0.02178 mAh/24=0.0009075 mA
EEPROM (7 uses multiply* with 1sec.= **7 sec/Hour**) (Formula: sec/Hr * mA =resultmAh) **7**/3600 x 1.5 = 0.002916	0.002916mAh/24=0.00012153mA
1.Solenoid (7 uses multiple* with 2sec.= **14 sec/Hour**) (Formula: sec/Hr * mA =resultmAh) **14**/3600 x 200 =0.77777	0.77777mAh/24=0.032407mA
SUM of Components current drain daily in ACTIVE mode	TOTAL ACTIVE Current drain day
0.0875 mAh + 0.02178 mAh + 0.002916mAh + 0.77777mAh	0.889966mAh/24=0.037082 mA
Calculation of battery life Active	Battery life - Active
Formula: B1160mAh*0.85=986mAh/mAr=esu09Hr/24=Days **986mAh/0.037082mA =26,589 hours/24=1,107 days**	3 Year + 12 days
IDLE - Components table	**Component drain rate**
STM32L051C8T6 (standby Modus) (0.27µA)	0.00027 mA
1. Solenoid (0.02µA)	0.00002 mA
EEPROM AT24C512C (0.30µA)	0.00030 mA
Finger sensor GYWM045-0 V3.3 - V3.6 standby (20 µA)	0.02 mA
Component current drain per day - 24 Hours	Daily drain mA
Finger sensor GYWM045-0 0.02mA + 24 hours=0.48mAh	0.48mAh/24=0.02 mA
EEPROM 0.0003mA + 24 hours=0.0072mAh	0.0072mAh/24=0.0003mA
MCU 0.00027mA + 24 hours=0.00648mAh	0.00648mAh/24=0.00027mA
1.Solenoid 0.00002mA + 24 hours=0.00048mAh	0.00048mAh/24=0.00002mA
SUM of Components current drain daily in IDLE mode	TOTAL IDLE Current drain day
0.48mAh + 0.00729mAh + 0.00648mAh + 0.00048mAh	0.49416 mAh/24=0.02059mA
Calculation of battery life Idle	Battery life - Idle
Formula: B1160mAh*0.85=986mAh/mAr=esu09Hr/24=Days **986mAh/0.02059mA=47,887 hours /24=1,995 days**	5 Years + 170 days
Calculation battery life ACTIVE+IDLE per Day combined	**Battery life ACTIVE + IDLE**
Total ACTIVEmA +Total IDLEmA=0.057672 mA **986mAh/0.057672 mA=17,096 hours/24=712 days**	712days (1Y + 11M + 17days)
Battery Discharge + Weather conditions	**TOTAL BATTERY LIFE**
1Year=25%Discharge=5%WCon. equals 712de1-0.30)= 498	**498 days (1Y + 4M =13d)**

Same scanner usage pattern per day	**TOTAL BATTERY LIFE**
4x scanning uses per day	688 days (1Y+10M+23d)
5x scanning uses per day	610 days (1Y+8M+5d)
6x scanning uses per day	549 days (1Y+6M+4d)
7x scanning uses per day	**498 days (1Y+4M+13d)**
8x scanning uses per day	456 days (1Y+3M+1d)
9x scanning uses per day	421 days (1Y+1M+20d)
10x scanning uses per day	390 days (1Y+25d)
11x scanning uses per day	364 days (1Y)
12x scanning uses per day	341 days (11M+11d)
13x scanning uses per day	321 days (10M+21d)

Different scanner usage mixed per month <REALISTIC>	**TOTAL BATTERY LIFE**
31 days different daily mA divided /31 = 986mAh/mA = H/24 = d	**425 - 460 days**

Sales points:

SP1
through the website www.zisin.website

SP2
Shopping Center Ušće
Bulevar Mihajla Pupina 4, Belgrade
Phone: xxxx

SP3
Shopping Center BIG
Višnjička 84 Belgrade
Phone: xxxx

Sales	sales@zisin.website
Service	service@zisin.website
Inquiry	https://zisin.website/contact-us/

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MAINTENANCE (2/3)
BATTERY RECHARGE INSTRUCTIONS
(Charging time 45 minutes)

Battery capacity	USB2.0 - 2A	Charging time
1200mAh/2000*0.8	0.75Hrs.x60	45 minutes

Caution!

For charging use adapter with 2 Amps (5V). Different adapter can be used short-term not exceeding over 3 Amps!

1. Touch F.sensor to unlock box,
2. Press the box to open,
3. Inside the middle, opening of the box is the Micro USB charging port.
   Note: for security reasons(hacking) is the port secured and hidden inside.
4. Attach Micro USB cable to port through the opening,
5. In 45 minutes the battery is charged,
6. The red LED indicator nearby notifies the battery is being recharged,
7. LED green indicates battery is full,
8. Disconnect the Micro USB cable,
9. Press the box to close.

Important!

Unable to unlock box to open, if battery is already empty. Contact service support for assistance.

Technical data (4/4)

Flash EEPROM	**Definition**	**Storage KB**
AT24C512C	Total space	64
Finger scan	5x Template	-2.44
FREE SPACE	Available	61.56
Scan count 2int	0 - 65,535	0.002
Event type	Success/failed	0.001
Timestamp	Tracking time	0.004
Possible Events	61.56*1024/7	9005
Total Events	Circular buffer	(3Y&5M) **8700**

Logged scan events

Successful and failed scans are logged for 3 years. Evidence of theft and other purposes.

Two layer shell design

Improved force distribution on impact from outer layer to inner layer. Thereby Improving the overall structural integrity.

Integration GPS

A GPS Tracker such as the Icehar round 27.94mm × 27.94mm × 13.97mm can be inserted. In case of theft, the tracker can be tracked by mobile phone at a distance greater than 20 km, worldwide via satellite.

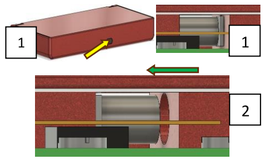
Integration NFC/RFID

A combined NFC/RFID card such as the WHonor can be inserted to keep all your bankcards protected from skimming.

USE

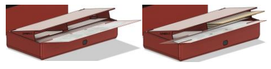
Finger scanner. (1) Place index finger on the scanner for 1 second. Repeat x6 times. (2) Place finger to unlock the box.

daily Avg scan usage x8 for +1 Year of battery life.



Box. Press the box from above to open it. Insert inventory and press the box again to close it. Solenoid auto-locks in 2 seconds.

Accessories. Insert Banknotes, Cards, Keys, GPS, Photos 51mm x 40.5mm and more.



- Unauthorized modifications or disassembly (except for battery replacement),
- Operations outside of the temperature range.

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Battery Warranty

The battery is covered under warranty for a period of 1 year (365 days) from the date of product delivery.

Under normal mixed usage, the product is designed not to require recharging within the warranty period. However, if product usage is unusually high, the product will notify for a recharge within this 1-year period.

If the battery fails to charge or requires recharging during the warranty period under normal mixed conditions, it will be replaced free of charge.

Once the 1-year battery warranty has expired, any battery replacement will be subject to a service charge.

For any battery-related issues, please contact our service team immediately. If service is required, please ensure the device box is kept in the open position to allow the service man access for battery replacement.

How to make a valid Claim

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To make a warranty claim, please contact our service at *services@zisin.website*. Include proof of purchase, warranty with serial number, and a description of the inquiry.

Limitations

This warranty is non-transferable and only applies to the original purchaser. It does not cover any incidental, indirect, or consequential damages.

Remedies

If a valid warranty claim is made, we will either repair, replace, or refund the product, at our discretion.

Unique Product Serial Number sticker:

Warranty

Production code: 2609

Thank you for purchasing **Consolid Standard Smart Wallet**. We are confident in the quality and performance of our product and are pleased to offer you this warranty.

This warranty guarantees that your product ,,Consolid Standard" has been tested, is brand new and free from manufacturing defects.

The warrantly applies to the following components:

- Shells (box, outer and inner),
- Finger sensor,
- latching solenoid,
- board components (including PCB and surface mounted parts),
- battery.

The warranty is valid for 1 year from the date of purchase and delivery. The product has its own serial number in document, on the box and on the device for warranty identification.

Operating temperature range: -5 to +45.

Exclusions:
The warranty is void if the defect or damage was caused by:

- Moisture or liquid exposure,
- Fire or extreme heat,
- Phyiscal damage,

WARRANTY

The battery is covered under warranty for a period of 1 year (365 days) from the date of product delivery.

Under normal mixed usage, the product is designed not to require recharging within the warranty period. However, if product usage is unusually high, the device will notify for a recharge within this 1-year period.

Warranty on the product is valid for 1 year with the fiscal invoice. Only in the event that the failure occurred naturally.

The warranty is not valid if the defect was caused by moisture, fire or in any physical way.

Important!
If, during the inspection of the defective device, it is found that the defect was caused by water, fire or physical damage, the warranty cannot be accepted.

SAFETY WARNINGS

This product is intended for storing personal cards, money and other personal belongings.

Note:
Use the product exclusively for its intended purpose. Do not over exceed scanner use.

Caution!
For charging use adapter with 2 Amps (5V). Different adapter can be used short-term not exceeding over 3 Amps.

Water!
Use and keep in a dry place due to the components.

Fire!
Keep away from hot surfaces and the sun due to fire with electrical components.

Due to the low voltage (V3.7), it is not possible to experience an electric shock.

CONSOLID

We are grateful to you for choosing the next generation smart wallet.

Made of quality and solid material that protects your personal belongings with the help of scanner and smart lock.

User Manual

English language – ENG v3.8

162mm x 81mm

MAINTENANCE (1/3)

- Store the device in a dry place,
- Recharge the battery on time when notified by following instructions on next page-11 or contact service support.
- After every 3600 scans solenoid will continuosly retract/extend 4 times to notify recharge battery (battery lasts for approx. 1 week),
- Wipe the device with a cloth.

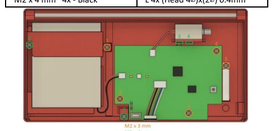
Note:
Do not apply too much pressure when wiping the device in order not to damage the protective anti-scratch layer.

Internet registration
It is required to be registered on website to be informed about the necessary battery recharge operation every year, after 365 days. In case smart wallet is not used all the time.

How to register?
www.zisin.website --> Login--> Register.
Enter your Full Name, email address and Mobile number. Your will receive notification successful registration. That's it. Phone number is required to receive the SMS notification earlier via phone.

Technical data (3/4)

Screws	Dimensions/Designation
M2 x 3 mm 5x - Black	L 3x (Head 4ø)x(2ø) 0.4mm
M2 x 4 mm 4x - Black	L 4x (Head 4ø)x(2ø) 0.4mm



Color of material	Material
Metal Flake RED	Aluminum + PC + protect. layer
Metal Flake BLACK	Aluminum + PC + protect. layer
Metal Flake BLUE	Aluminum + PC + protect. layer
Brown + Shell green	Aluminum + PC + Leather
Black + Shell green	Aluminum + PC + Leather

Supported Banknotes	Max. (157.9 x 77.0 mm)
Chinese CNY	155 x 77 mm (¥100)
Japan JPY	156 x 76 mm (¥5000)
European EUR	153 x 77 mm (€200)
Serbian RSD	155 x 74 mm (2000)
Swiss Franc CHF	158 x 70 mm (1000)
American Dollar USD	156 x 66.3 mm ($100)
Mexican Peso MXN	153 x 66 mm (₱1000)
Russian RUB	157 x 69 mm (₽1000)
Romanian RON lei	140 x 77 mm (50)
Hungarian HUF Ft	154 x 70 mm (All)
English Pound GBP	146 x 77 mm (£50)
Indian Rupees INR	150 x 66 mm (₹500)
Saudi Riyal SAR ر.س	155 x 70 mm (50)
Turkish lira TRY	148 x 68 mm (₺50)

MAINTENANCE (3/3)
BATTERY REPLACEMENT INSTRUCTIONS

(replacement time 5-9 minutes)

The battery can be ordered from zisin.website or from Alibaba.

1. Touch F.sensor to unlock box,
2. Press the box to open,
3. Use Screwdriver L type. Unscrew one screw inside the mid, opening of the box holding inner shell,
4. Slide down outer shell,
5. Unscrew two screws from battery holder and remove,
6. Disconnect Battery connector,
7. Replace Battery,
8. Re-connect Battery connector,
9. Put battery holder and screw 2 screws back in,
10. Slide back outer shell,
11. Screw one screw inside mid opening,
12. Press the box to close.

DESCRIPTION
Technical data (1/4)

Consolid Standard dimension	Consolid Leather dimension
Length 164.8 *mm*	Length 168.0 *mm*
Width 83.3 *mm*	Width 85.5 *mm*
Height 29.1 *mm*	Height 30.6 *mm*
Weather cond. -5C to +45C	Weather cond. -5C to +45C
Weight 200 g = apple	Weight 220 g

Parts Standard	Material/weight	Dim LxWxH - mm
Outer shell	Aluminum 75 g	164.8 x 83.1 x 29H
Inner shell	PC 25g	162.4 x 80.8 x 28H
Box	PC 41g (15.5 degree)	160 x 80.7 x 21.5H
Cylinder	Chrome steel 9g	162.4 (3 *rt*)
Cyl.bearing x2	Chrome steel 1g	0.95+3.1+0.95 (5 *rt*)
L. Solenoid K0420L	Chrome steel 10g	26.6 x 11 x 7.5H (4*rt*)
Li-ion 1200mAh	Aluminum thin 21g	62.5 x 50.5 x 4.2H
PCU board (SMT)	FR4 8g	79 x 54.5 x 1H (cut)
Mfr.No:629105150521	A3 USB Steel- 1.7g	8 x 4.06 x 6.6H
TP4056 parts(5Vto3.7V)	Fr4 + Polyamide 9g	Adjusted on board
JST-SH 2Pin pitch-2 – TP4056	Polyamide 0.2g	5 x 4.5 x 3H side-mnt
FLASH AT24C512C	Plastic 0.3g	6 x 5 x 1.75H
MCU STM32L051C8T6	Silicon+pl 32pin 0.3g	7 x 7 x 1.4H
GYM21BC71C1004111 +2x	Ceramic 0.03 g	2 x 1.25 x 1.1H
LDO TPS73701DRBR	Silicon+Plastic 0.24g	3 x 3 x 0.8H
F.sensor GYWM045-0	Scan button 5g	10.6 x 8.1 x 2.82H
F.sensor UART	Copper wires x6 1g	30 x 5.4 x 0.8ø
Stv072a25xx	SW Plastic 0.2g	4.5 x 4.5 x 4.4H
Latch Housing	PC 4 g	28 x 5 x 4.4H
Latch (thick 0.7mm)	Chrome Steel 1.5 g	18.63 x 9.2 x 0.7H (0.7*ø*)
Coil (thick 1mm) Rev4	Chrome Steel 2.5 g	6 x 6 x 23H (6ø)

Connections(SMT)	Connectors on board	Dim. LxWxH - mm
L. Solenoid	JST-SH 2Pin Pitch 1.25	5 x 4 x3H side-mnt
Li-ion Battery	JST-SH 2Pin pitch 1.25	5 x 4 x3H side-mnt
F.s. GYWM045-0	JST-SH 6pin pitch 1.00	9 x 5 x3.5H side-mnt
Stv072a25xx	Integrated	4.5 x 4.5 x 4.4H
Capacitors +2x	Integrated	2 x 1.25 x 1.1H
MCU	Integrated	7 x 7 x 1.4H
EEPROM	Integrated	6 x 5 x 1.75H
TPS73701DRBR	Integrated	3 x 3 x 0.8H
Mfr.No:629105150521	Integrated	8 x 4.06 x 6.6H