

## **Which Hardware Wallet Offers Better Crypto Security 16-02-2026:**

Your phone's screen can be manipulated and its memory can be read. Smartphones, tablets, and laptops are built around general-purpose chips (MCUs) designed for performance and versatility – not security. Connected devices are vulnerable by design: wireless communication protocols in consumer electronics create massive attack surfaces that require specialized security architectures to protect against interception and manipulation.

Everyday devices connect to the internet, run thousands of third-party applications, and execute untrusted code as part of normal operation. That's what makes them easy targets for malware that can silently rewrite transaction data before it ever reaches your NFC card.

A Secure Element is fundamentally different: it's a specialized, tamper-resistant chip designed to store sensitive data and run secure applications. It exposes only the bare minimum information needed to complete a task, (like providing a signature) and does one thing it's intended to do – secure your keys.

You wouldn't lock your bike with a rope; you wouldn't trust a chip built for multitasking to protect your life savings. In February 2025, leading global exchange Bybit fell victim to an interface attack.

Through social engineering, the Bybit hack saw hackers compromise a supplier's system and embed malicious code in what appeared to be a routine transaction. Their screens saw what appeared to be legitimate wallet addresses and approved the transfer. The hidden code transferred ownership of ~\$1.5 billion to the attackers within seconds.

What they saw and what they signed were not the same thing.

With Tangem, the security model is split: the card holds keys, but your phone handles the wallet interface, transaction construction, address display, and verification. The card itself only signs the resulting hash; and so it has no visibility into the transaction's actual contents.

## Secret Phrase

chimney pet all common smoke time impact choose track lonely ritual usual	report fancy suit hill damage box fold bean smart achieve trim negative
vapor orient permit lock jealous vocal scrub pipe target truly amateur easy	spider sunset medal shadow poverty roast tourist black critic winner fantasy gown
apart buffalo maze rural drill child emotion skate beauty glance elephant shuffle	grief quality depend differ rookie expect ten speak knife cycle patrol powder
ginger square swift benefit kidney tortoise goose have install husband adult reduce	panther coach voyage heavy chalk joke tray holiday mistake initial cricket bright
donkey cotton wild tragic visit whip steak bottom insect bounce meat friend	blind action fabric media humor north option theme ocean sausage lab tomorrow
inject hair identify kitchen unique scissors dial hen decade clown scorpion rice	anchor save furnace mixture antenna remove curtain decrease horn frost game ill
flat any build alcohol explain blanket cake gossip bundle power position find	estate witness once twice exhibit betray again dog cradle flee tide noodle
couch grocery lunar clip sudden bench dress same apple tuna final salad	dwarf drop monkey absent base ramp amount verb mule sadness garbage best
daring reflect tower swallow shoe bless boat near oval super bird pill	gift shallow breeze second embody lamp bunker sister dice end beach toward
kangaroo birth pigeon catalog armed city between large distance able tooth silly	cart fever young wine spray web clinic promote early among shove hotel
wool inquiry thumb mad order click bachelor recall movie master citizen recycle	top crater author laundry oppose shock crunch rail bargain anger scout firm
gravity bulb fortune affair error educate industry first vacuum mail keen torch	old tube outside auction hurry engine elder tongue admit priority number feature
diary shrimp transfer stable oven jungle supreme regret invest security mosquito room	gloom cupboard imitate awful palm cattle record bind stone depth upset polar
fun mind raw resource clarify walnut hurt current woman expose ticket laptop	beyond bullet item hobby good ugly crouch funny fault short junior term
despair fly two hat idea total tired laugh sorry pitch private wish	upgrade gadget notice faith penalty nasty alert present inherit replace whisper toss
autumn skin vessel cage genuine hazard boil defense normal nice you magnet	ensure ability wash noise rubber capable topic length acid awesome cruel burden
tennis myself match owner juice very illness collect eight prevent salt manage	concert shiver bitter one duty column learn brown royal potato cinnamon mesh
bulk rebel session drum venture still message drama slam pilot people trick	resist wagon fog where fiber deal cheese vague habit crane goat broccoli
bridge general valve sweet brave cancel relief desk leaf account input bring	region misery simple fade jelly dune snack describe pumpkin manual rose dragon
tank exile prize youth million peasant already faint wet finish luxury chase	seminar appear giant army group scatter produce gaze riot conduct pudding defy
flame always sample tool plate ivory gasp physical skull attract wolf pact	round arch trend draw shy swamp canoe practice monitor scheme decide discover
brick repair fragile company viable hurdle situate lobster leopard garment barrel champion	execute auto image neglect olive need gauge salmon become business mimic tip

ketchup day audit switch cat select spell clever country motion refuse size	question pole below margin spirit predict elbow celery butter name hunt govern
few express resemble major leg green fall jump entire picture awake slow	kiwi accuse syrup chuckle bag rib ladder volume artist inside tiny excite
pulp frown drink arrow doctor almost trap cover inform sugar robot cluster	loud famous bleak thing gather alley course topple safe way inflict under
limit raccoon escape retreat swap sand add employ apology asthma border excuse	behave radar tail unaware ridge seek twist okay clay burst often about
gospel axis effort donor indicate frame meadow palace remind guilt exchange play	federal illegal vital random awkward board pond egg abandon proud abuse spawn
banana tunnel matter occur kiss increase valid call mandate neutral alone pride	journey enjoy race during punch heart gain ordinary tiger unusual table tone
roof mercy dawn female nurse soda trial force unlock acquire ask dilemma	exhaust popular forest list surge elegant tuition foot midnight blue strategy suspect
zero better fatigue crystal glide body boy crazy smooth foil reason assume	dismiss cram net dream grunt gun pluck organ eager analyst tenant used
soon section weather glory range when chief outer local pattern obtain detect	mechanic alpha hospital soft enact digital addict moral chat proof reveal crumble
leisure yard mango mountain front idle sentence canvas diesel loop ignore panic	silk nominee draft rebuild drastic hungry long mention swarm include sponsor great
connect maximum inch unit scene improve blush sort treat math device prefer	expire lens trumpet must airport bid attitude vicious coyote reunion inhale search
mass text legend garden orchard like middle cloud strike hybrid problem display	someone daughter slice enroll wink biology lend orange fringe cereal hour tent
artefact extra aisle dizzy sing warrior control pause nest purchase settle rally	forum cash perfect release census scale true rigid seed wall measure today
urge special guard myth toe bamboo rescue rifle six school dish card	siege hockey noble review jaguar design crash summer slab basic afraid shift
horse category genre wasp volcano harvest that actual pave suggest bonus dentist	thrive traffic drift milk blood there mobile flight arena repeat bracket afford
place close carpet rocket trade bronze basket win lucky split visual what	favorite provide clump pyramid chaos twenty kick come diamond maple stick rug
cool artwork announce grape scare glare program year parade baby person carbon	oak electric virus crawl undo renew version stomach train head spoil share
aerobic series kitten deny fresh verify human east echo athlete romance crush	wait marble cactus fitness knee guitar raven hidden rain pool fossil walk
teach warm broom rival frequent mirror real erase blouse festival veteran blur	father avocado grace grow original cook define render type now hub glove
purity humble sketch salute joy casual swim cup relax also project hello	other figure pupil napkin shrug ranch loan dynamic toddler runway divorce pass
begin unhappy side frozen into mom erupt ankle office impose custom wave	model will aware across retire violin drip exist hole mask garlic essence
empower moon point degree judge police remember glimpse jewel pepper olympic phrase	scrap reject tonight aspect trophy tissue guess opera night essay style galaxy
purpose slight ripple upon goddess voice fatal hold hire alien enemy snow	involve shaft sun oxygen acoustic giraffe deposit catch half praise video century

lunch hamster strong circle hammer just eternal skill lake august speed purse	nerve secret useful erosion fire intact remain melody require false brass lecture
uphold bicycle logic never elite primary rate boring return another buddy neither	credit flush earth damp moment tumble field neck elevator letter fox trip
setup own hollow clutch coast pair insane stairs valley legal harsh tilt	foam turkey zone menu exit grid network leave void found puppy sure
wear hip subway excess inspire chapter uncle property satisfy jeans three liberty	slogan coffee piece brush finger floor universe panel peace test helmet alter
snake shop multiply slender huge blame surface camp sign above velvet sock	jar dutch advice metal please miracle edge truck yellow disease enforce absurd
town deputy light believe sight planet garage nut piano mammal host team	weird check forget wreck obscure honey canal assault science stage happy world
reform fruit hover cost copy unable twelve detail book trash output wide	jazz confirm cherry history stadium script angry much energy arctic avoid access
various dry entry hope gold obvious keep stock public maid nuclear throw	unfold surround wisdom small note quarter derive response shoot decorate glass cry
boss arm bread budget aim level typical cross nature step craft link	enough castle process siren vanish radio poet grit rent struggle possible useless
news notable pottery brief mystery approve charge pretty razor girl forward prosper	impulse observe vote climb cigar wrist member liquid combine cousin make belt
steel ready quote spy twin consider feed story source actor ethics tell	online dose flavor quick tape protect puzzle sad icon oyster crime talent
abstract want bone solution bomb robust away spoon pencil pig comic fiction	pledge area plug sniff window denial deliver destroy seven vintage shed album
beef harbor melt hedgehog labor height rely ring turn buyer globe wife	choice subject pull couple caught code exact uniform ghost crucial sting tackle
wonder adjust bar muffin miss more over dignity glad pulse kind chunk	worry endless bacon feel trust matrix west document space gallery update service
weekend wire talk usage home rude wrestle tag love run interest slush	family odor hero slim naive car novel nation mansion address utility float
pelican food crack orbit expand magic solid page wood saddle sauce foster	sleep rough spin spot park blast recipe eagle high grab umbrella rabbit
shield argue knock isolate vacant enlist sail salon submit off comfort borrow	put sound arrive era reopen merit omit stay token art coil quiz
spike color farm little chronic stuff air quantum clock trigger economy student	flip panda lawsuit swear zoo victory pen cheap march liar horror index
portion market congress anxiety scan limb pony eye label exclude water stove	toast weasel grain absorb solve february iron word cruise indoor agent around
adapt vehicle case sibling inmate hundred squeeze balance silver method job say	lion follow sell element claw patient mixed claim silent slot busy task
seat double ski sport capital cargo stand stamp supply patch nothing amazing	flock travel empty curve fiscal correct regular clean wage banner wheat before
since unveil lesson left erode urban attack taste spatial title calm push	parent injury work ride state suffer sea pear path library arrest glue
screen deer pizza desert fury fame symptom street brother peanut easily survey	cave creek gorilla evidence spring dinosaur because gentle thunder civil sick hard

timber fence venue minute stumble buzz dolphin thank eyebrow hood arrange mother	inner profit balcony clap squirrel duck tobacco reward camera lava tribe next
age focus club symbol disagree coral october give divert machine width shine	main culture road exercise endorse mean face brand uncover coconut merry island
system ball skirt animal devote frog earn plunge merge battle waste delay	extend advance this right cream gesture cushion shell paper episode door party
immense winter wise stereo example flash dove mouse pistol client luggage canyon	wing senior dash season amused giggle core until hawk join embrace answer
print muscle innocent exotic narrow sustain bus brain edit donate wrap casino	start payment know cement certain jacket crop raise badge rotate lizard snap
paddle sheriff cannon upper demand poem soul swing dirt theory marine filter	cause leader nephew fluid nose diagram kit disorder demise agree cloth tree
april vendor toy glow similar boost result outdoor wheel domain soup whale	kingdom atom dinner orphan curious captain obey phone change music immune wealth
south surprise broken receive direct price spare rapid together write license alarm	such visa quit assist stem antique solar gap then annual fork either
junk accident enter coin diet barely modify issue film taxi fix invite	fat behind wrong view monster latin only oil sense segment motor cabin
lawn soldier rare convince angle turtle help morning genius ancient opinion layer	dance village weapon december burger clerk actress object dust average emerge debris
song virtual pink tornado law income warfare prison lemon gate kite tattoo	soap offer kid stool fee spice mix rich danger attend pioneer can
vibrant worth welcome picnic van success faculty spend blade lazy spread vivid	marriage crisp ostrich infant rack rule unfair staff act chef key post
decline fashion dad cabbage fan lumber ahead move smile language allow photo	candy lady social ecology evil file chest route blossom minor cube cable
rather vault mutual dumb chicken tomato evolve fetch brisk material drive later	ceiling fine ribbon hand develop chair thought soccer use try guide month
health load they flower live lottery ship cute minimum parrot truth prepare	crowd bubble vast future sword loyal fuel lyrics bike sphere aunt flag
engage rhythm risk enrich armor mushroom debate onion zebra crew wedding embark	memory clog fit hint equal enhance gym slide copper life museum evoke
river gas fish enable doll lift ice ozone else grant shoulder asset	oblige carry cliff trouble unknown caution satoishi toilet equip envelope open man
plastic sunny churn depart grass divide lounge corn crumble solar mechanic feed	