http://bit.ly/2ZALQto
Helping small and mid-sized organizations transform their finance and accounting department
- ERP sales and consulting for 25 years
- 100+ employees in 22 states
- Sage Intacct awards
  - Rookie of the Year (2012)
  - President’s Club (2014, 2015, 2017)
  - Momentum Partner (2015)
Technological adoption by the finance function

- 2.5% Innovators
- 13.5% Early adopters
- 34% Early majority
- 34% Late majority
- 16% Laggards

Blockchain
Cognitive computing
Process robotics
Visualization
In-memory computing
Advanced analytics
Cloud

Source: CIMA Future of Finance Survey 2018; 5692 respondents

Technology adoption

Mainstream
- Cloud computing
- Cybersecurity
- Internet of things (IoT)
- Process automation (basic and robotic)
- Data analytics

Early adoption
- Artificial intelligence (AI)
- Cognitive computing
- Intelligent process automation
- Machine learning
- Predictive (advanced) analytics
- Blockchain

Future
- 5G
- Internet of everything (IoT)
- Prescriptive analytics

2019 trends

- Advanced analytics
- Cloud
- Blockchain

CLOUD COMPUTING
Top Benefits of Cloud Computing

Cost (reduce CapEx / more efficient use of OpEx)
Speed / Performance
Reliability
Productivity
Scalability
Security

Cloud improves Cybersecurity

Cloud solutions
- Tier one data center(s)
- Encryption and hardened systems
- 24x7x365 operations
- Disaster recovery center
- Redundant hardware and networking
- SSAE 16 (previously SAS 70)
Possible because costs are spread across thousands of organizations
Result: More secure than most organizations can internally provide

Worldwide Public Cloud Service Revenue Forecast, 2018 - 2022
Robotic process automation (RPA) is the use of software to automate rules-based, repeatable tasks currently performed by humans.

RPA value proposition

- No integration required
- Mimics human behavior
- Removes human errors
- Efficient execution
- Increased speed
- Cost effective
- Higher profits
- Greater productivity
Sample RPA products

- Foxrot
- Blueprism
- UiPath
- Cappify

RPA as a first step in the automation roadmap

- AI: Predictive, advising
- Cognitive: Analyzing, thinking
- Autonomic: Self-solving
- RPA: Structured, rules-based

Artificial Intelligence (AI)
Definitions

Artificial intelligence (AI) - branch of computer science concerned with making computers behave like humans.

Key elements:
- Understand: AI systems understand imagery, language and other unstructured data like humans do.
- Reason: They can reason, grasp underlying concepts, form hypotheses and test and extract ideas.
- Learn: With each data point, interaction and outcome, they develop and sharpen their expertise, so they never stop learning.
- Interact: With abilities to see, talk and hear, AI systems interact with humans in a natural way.

Machine Learning

Type of artificial intelligence (AI) that provides systems with the ability to learn (through the use of user algorithms) without being explicitly programmed. This enables computers to find data within data without human intervention.

What is important to know about machine learning is that data is being used to make predictions, not code. Data is dynamic so machine learning allows the system to learn and evolve with experience and the more data that is analyzed.

Example: Facebook News Feed is programmed to display user friend content. If a user frequently tags or writes on the wall of a particular friend, the News Feed changes its behavior to display more content from that friend.
Deep Learning

Type of machine learning that trains a computer to perform human-like tasks, such as recognizing speech, identifying images or making predictions.

Used for various tasks:
- Recognizing objects;
- Translating speech in real-time;
- Determining potential outcomes;
- Understanding consumer habits;
- Making personalized recommendations

Fastest growing field in AI

AI - now practical

Convergence of four trends:
- Digitization of business processes, smartphones, Internet of Things (IoT) and social media/web 2.0
- The advancement (and availability) in processing power to store and compute data
- The maturity of algorithms and AI models
- The huge upsurge in investment in AI

AI – Enabling our lives today

- Voice Search – Alexa/Siri
- Waze – Analyze speed of traffic, traffic incidents, re-route
- Email spam filters/smart email categorization
- Facial recognition
- Mobile check deposits
- Fraud prevention
- Credit decisions
- Eliminate the close
- Continuous audit
- Chatbots/conversational UX
Within global accounting and auditing firms, work is underway to get out in front of and take advantage of the new paradigm emerging due to AI.

- BDO has successfully piloted its BDOLexi translation app, using neural network technology, to manage information in multiple languages during global audits.
- Deloitte has launched Ormio AI, a multi-disciplinary practice focused on delivery of AI services and solutions.
- EY is embedding AI technology across its end-to-end audit process, including the use of machine learning in EY Helix and EY Optix for predictive analytics, using drones for inventory observations and the development of business document-reading and interpretation tools.
- KPMG has launched its AI booklet called ignis and is working with IBM/Watson.
- PwC is investing in data platforms to securely capture, organize and facilitate analysis of data and is working with H2O.ai, a leading Silicon Valley company, to develop Audit.ai, which will provide enhanced capabilities to provide assurance.
Pacioli - Conceptual digital assistant for CFO's that will:

- Eliminate the close
- Continuous Audit
- Predictive Analytics
- Conversational UX

Machine Learning – Big Players
The “Four Vs”

**Volume**
- Data at Scale
- Terabytes to petabytes of data

**Variety**
- Data in Many Forms
- Structured, unstructured, text, multimedia

**Velocity**
- Data in Motion
- Keeping up with constantly changing data and data in motion

**Veracity**
- Data Uncertainty
- Managing the reliability and predictability of imprecise data types

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**Big Data**

- Data Warehouse – internal and external source; largely structured
- Data Lake – structured & unstructured
- Data Swamp – unmanageable data lake

*According to IDC, ~44 zettabytes (44 billion terabytes) by 2020*
Four Types Of Data Analytics – Tom Maydon

- **Value:** What is the data telling you?
  - Description: What's happening in my business?
    - Competitor analysis
    - Internal data
  - Diagnostic: Why & how is it happening?
    - Ability to drill down to the root cause
    - Ability to isolate any confounding variables
  - Predictive: What's likely to happen?
    - Business strategy has remained fairly consistent over time
    - Internal patterns remain consistent over time
    - Decisions are automated using algorithms and technology
  - Prescriptive: What do I need to do?
    - Recommended actions and strategies based on champion
    - Analyzing historical data to make specific recommendations

- **Description:** High-level tables, charts, and graphs showing raw data, actionable data, and world-class analytics.

- **Diagnostic:** Insights into why and how data is behaving.

- **Predictive:** Predictive analytics showing what is likely to happen.

- **Prescriptive:** Prescriptive analytics showing what actions to take.

- **Complexity:** Solutions for various data analytics needs.
Smaller, faster, more convenient devices

**WHAT IS 5G?**
- Next generation of wireless networks
- Will provide higher speeds, greater capacity, and lower latency
- Will be capable of supporting billions of connected devices and ‘things’
- Distributes intelligence throughout the network

- **mmWave** is a very short-range, high-speed frequency band.
- mmWave 5G promises multi-gigabit speeds, but has trouble penetrating walls and traveling long distances.
- AT&T, T-Mobile, and Verizon will all use at least some mmWave, in some cities.
- But mmWave isn’t necessary for 5G. AT&T, Sprint, and T-Mobile all plan to install 5G on existing 4G frequencies such as 600MHz, 1900MHz, and 2.5GHz.
- On those frequencies, 5G uses the same towers as 4G, and has the same distance and wall-penetration characteristics as existing 4G networks, but with lower latency and at least 25 percent greater speed, but not multi-gigabit.

<table>
<thead>
<tr>
<th>Speed</th>
<th>4G</th>
<th>Early 5G</th>
<th>5G</th>
</tr>
</thead>
<tbody>
<tr>
<td>Latency</td>
<td>50 millisecs</td>
<td>1 milli</td>
<td></td>
</tr>
<tr>
<td>Capacity</td>
<td>4K</td>
<td>1M</td>
<td></td>
</tr>
</tbody>
</table>

| Frequency (GHz) | 6 | 28 | 280 |

**What you need to know...**
Implementation...

5G cellular will require new phones - appearing in 2019 and 2020

FCC is committed to speeding up approval process for new 5G cell towers (90 days – down from 18 mos.) since many more towers will be required.

5G E, which will appear in your 4G AT&T phone’s status bar soon, isn’t 5G cellular

Verizon’s 5G mobile network release began in April of 2019 in Chicago and Minneapolis, and they’ll actively expand the network over the next few years (30 cities in 2019) until they achieve nationwide coverage

Verizon has publicly stated that its 1st 5G customers should expect typical speeds in the 450 megabits per second range, with peak speeds up to 1 gigabit per second down

Verizon’s 5G plans will cost $10/month extra on top of the current cost of their unlimited plans

Verizon’s 5G residential broadband was released in October of 2018 to just a few major cities, which they plan to expand even further in 2019.
AT&T’s 5G release began with their 5G Evolution (5GE) – a rebranded version of their current 4G LTE network – giving their customers a boost in network speeds if they have a 5GE capable device (LG V40, iPhone XS/XS Max)

AT&T’s normal 5G service is going to be called 5G+, which will be their true 5G network

AT&T has begun releasing their 5G+ network in parts of cities already (Los Angeles, Orlando, Atlanta, Raleigh, Indianapolis, Austin, and more), but customers won’t be able to use the service until their first 5G capable phone is released in the summer of 2019

T-Mobile has been testing out their 5G network capabilities in 30 cities, since 2018. However, they’re pacing their wide release for 2020.

T-Mobile has chosen to release their 5G service using a different wavelength than the other carriers, instead of going with a (higher) millimeterwave, they’ve decided to go with the (lower) 600MHz wave

- The millimeter wave is faster, but covers less area
- The 600MHz wave is slower, but covers more area

By using this lower wavelength, T-Mobile hopes to achieve nationwide coverage faster than the other carriers

The drawback of this is that phone manufacturers will need to make different devices for T-Mobile’s 5G network
Sprint will be rolling out their 5G technology in 9 cities (including Chicago, Atlanta, Dallas, and Kansas City) in May of 2019 and they plan to continue building upon that foundation throughout 2019. For more details, read below.

Much like AT&T, Sprint will be offering an upgrade to their LTE towers, which should give 4G users the benefit of service that is 2X faster.

Sprint’s full 5G service is up and running in select cities, but everything hinges upon their release of a 5G capable device so customers can benefit from their new hyper-fast speeds.

Qualcomm Snapdragon X55 (5G modem)

- Supports download speeds up to 7Gbps
- Note: Early 5G devices are using the X50 modem (max throughput 5Gbps) released in 2016

Motorola Moto Z3

- Legacy Moto Z3 with 5G Moto Mod ($199 add-on snapped to back of phone)
LG V50 5G
- Snapdragon 855-powered
- 6.4-inch, 3,120-by-1,440 screen
- 6GB of RAM / 128GB of storage (plus a microSD slot)
- 4,000mAh battery that charges to 50 percent in 55 minutes
- 2 cameras front / 3 cameras back
- Waterproof
- Only avail in black
- Avail Spring/Summer-19

Samsung Galaxy S10 5G
- 6.7" display
- 4,500 mAh battery
- Avail – May-19

Samsung Galaxy Fold
- Foldable device that can transform from phone to tablet and back again – providing a 4.6" external (closed) display
- 7.3" main (open) display
- Android w/ Multi-Active window (up to 3 apps open at once on same screen)
- Snapdragon 855
- Ram - 12GB / Storage - 512GB
- 2 front / 3 back cameras
- 4G and 5G versions
- $1,980
Apple/Qualcomm Settlement

Settlement agreement reached 4/16/19 - Apple agreed to pay Qualcomm a one-time payment of an undisclosed sum, as well as royalties going forward.

Intel immediately announced it was abandoning plans to build a 5G modem

Apple and Qualcomm have a six-year licensing agreement going forward (multi-year chipset deal), so it’s likely that Apple will be using Qualcomm modems in the iPhone for future phones.

Apple iPhone XS / XS Max

iPhone(s) w/ 5G (Intel XMM 8160) modem was in Apple's 2019 roadmap, maybe sooner

5.8” and 6.5” Super Retina custom OLED display
A12 Bionic
Faster Face ID
Dual 12MP rear cameras
Improved water/dust resistance
Wireless charging
64GB-512GB storage
$999-$1,349

Important Use Cases

5G will usher in "post-smartphone era"

Notably use cases include:
- Fixed wireless – replacing wired broadband
- Virtual reality / augmented reality
- Smart cities
- Robotics
- Autonomous driving
D-Link 5G Router

Links to 5G networks, then redistributes to local devices via traditional WiFi
Will be sold via cellular carriers
Powered by Qualcomm Snapdragon X55 chipset
Includes
- 5 Gigabit ethernet ports
- AC2600 dual band WiFi and connectivity to D-Link mesh
Avail – late 19

Blockchain - Definition

Blockchain is a shared, distributed, immutable ledger for recording the history of transactions
- A distributed database that maintains a continuously growing list of ordered records called blocks
- Each block contains a timestamp and a link to a previous block
- Once recorded, the data in a block cannot be altered

Through the use of a peer-to-peer network and a distributed timestamping server, a distributed blockchain database is managed autonomously
No single point of failure
Utilizes public and private encryption keys
Blockchain is the “Internet of Value” (Web 3.0)
Also referred to as DLT (Distributed Ledger Technology)
Blockchain – Types / Access

Types:
- Public blockchain: a blockchain that anyone in the world can read, send transactions to, and expect to see them included if they are valid, and anyone in the world can participate in the consensus process – the process for determining what blocks get added to the chain and what the current state is.
- Consortium blockchain: a blockchain where the consensus process is controlled by a pre-selected set of nodes, for example, a consortium of 15 financial institutions.
- Fully private blockchain: a blockchain where write permissions are kept centralized to one organization.

Access:
- Permissioned – participants must be authenticated by
- Permissionless – anyone can join
Blockchain investment

Corporate and government spending on blockchain should hit $2.9 billion in 2019 (an increase of 89% over the previous year).
Notable 2018/19 activity

- Bank of America – 60 blockchain patents
- WalMart – 50 blockchain patents
- Fidelity – digital asset custody service for institutional investors
- Citibank & Barclays – partnered to launch a blockchain app store
- ING and several other big banks – created “komgo” blockchain trade commodities network
- Depository Trust & Clearing Corp (tracks 90 million transactions/day representing most of the world’s $48 trillion in securities) – about to migrate 50,000 accounts from their Trade Information Warehouse (trade derivatives) to AxCore
- Seagate – using blockchain to catch and prevent counterfeiters
- Metlife – can now pay claims instantly to its expectant mothers who test positive for gestational diabetes.

Notable Blockchain Applications

- **Logistics**
  - Maersk and IBM
    - TradeLens Blockchain Shipping Solution
    - Industry-wide collaboration consisting of more than 90 global organizations
    - More than 154 million events captured on the platform and growing by one million per day
Notable Blockchain Applications

- Voting
  West Virginia 2020 – Will allow overseas military to vote via “Voatz” mobile app on blockchain

Notable Blockchain Applications

- Government
  Royal decree in Dubai to move all government documents to blockchain by 2020

Other Innovative Use Cases

- International Transactions (SWIFT)
- Intellectual property / Digital Rights
- Citizenship / Residency / Passports
- Medical records
- Credit history
- Sports tickets
- Crowd funding
Gathers user blockchain activity, then determines accurate valuations for every input and output.

Once a value has been assigned to every transaction, NODE40 Balance can report your current total asset value, income, and any realized gains or losses.

Auto-populates form IRS Form 8949 (Sales and Other Dispositions of Capital Asset)

BaaS (Blockchain as a Service)

Blockchain as a Service (BaaS) provides a rapid, low-cost, low-risk, and fail-fast platform for organizations to collaborate together by experimenting with new business processes—backed by a cloud platform with the largest compliance portfolio in the industry.

Notable providers:
- Microsoft - Azure
- IBM - Bluemix
- Deloitte – Rubix
- Amazon

Other Core Tech
### WiFi 6

- **Renaming:**
  - WiFi 6 is new name for 802.11ax
  - WiFi 5 = 802.11ac

- **Speed:** WiFi 6 supports 9.6 Gbps (vs. 3.5 Gbps on WiFi 5) – although individual devices likely won’t ever experience this speed since typical download speeds in the US are just 72 Mbps.

- **Throughput:** Given the speed boost, WiFi 6 will support more devices without degradation.

- **Security:** All WiFi 6 devices must support new WPA3 security standard.

- **New Devices:** WiFi 6 will require new devices to utilize, i.e. legacy WiFi 5 based Wi-Fi 6 devices won’t be able to take advantage of speed/bandwidth boost.

### USB4

- **WILL USE EXISTING TYPE-C CONNECTOR**
- Backward compatible
- **Three main benefits:**
  - **40 Gbps Maximum Speed:** By using two-lane cables, some devices will be able to operate at up to 40 Gbps (same speed as Thunderbolt 3).
  - **Compatible with Thunderbolt 3 devices:** Some, but not necessarily all USB 4 implementations will also work with Thunderbolt 3 devices.
  - **Better Resource Allocation for Video:** If you’re using a USB 4 port to transport both video and data at the same time, the port will allocate bandwidth accordingly.
- Available: 2020
SD Express

New SD Express standard
- Significantly increases maximum capacity (up to 128TB) and speed, with lower power consumption.
- By incorporating PCIe (Peripheral Component Interconnect Express) and NVMe (Non-Volatile Memory Express) protocols, SD cards will have a new theoretical transfer speed limit of 985 MB/s.
- Future cards can function as removable SSDs.
- SD Express cards are backward compatible with current hardware, but will need new hardware for maximum speeds.

*Standards are finalized, but products not yet available.

Snapdragon 8cx Compute Platform

Combines best of the smartphone with the power and performance of a premium laptop in ultra-thin, fanless form factors to deliver a superior Always On, Always Connected PC computing experience.

- The first 7nm PC platform, the Snapdragon 8cx supports transformative 5G experiences, multi-gigabit LTE, and multi-day battery life.
- Marks the biggest generational performance increase ever in a Snapdragon platform.

Companies
“Always Connected” Surface Pro (5G PC)

Surface Pro prototype running Qualcomm’s newest 8cx platform

5G PC (given the chip’s support for 5G modems)

Even if 5G networks aren’t ready, a Snapdragon 8cx-powered Surface Pro could fall back on LTE and take advantage of other features of the Always Connected experience, including:

- long battery life
- background app refresh
- thin and light design

Avail: ??
Lenovo X1 Carbon, 7th Gen

14-inch display offers a new 4K (UHD) resolution with 500 nits of brightness. 
- Intel's "Whiskey Lake" eighth-gen Core i processors 
- 2.46 pounds, and 0.58 of an inch thick (a bit thinner than the previous 0.63-of-an-inch model) 
- New woven carbon fiber finish 
- ePrivacy integrated privacy screen option built-in with webcam shutter 
- Dolby Atmos four-speaker sound system 
- Battery life - up to 15 hours 
- $1,710 
- Avail – Jun-19

Lenovo X1 Yoga, 4th Gen

14-inch Dolby Vision display - up to 4K UHD resolution with 500 nits of brightness. 
- Intel's "Whiskey Lake" eighth-gen Core i processors 
- 17 percent smaller footprint overall - reduced bezels around the display and a thinner form factor 
- ThinkShutter (webcam cover) and optional ePrivacy integrated privacy screen. 
- Dolby Atmos four-speaker sound system. 
- Battery life - up to 15 hours 
- Starting price - $1,930 
- Avail – Jun-19
Lenovo X1 Extreme

15.6" 4K touchscreen display or a non-touch Full HD panel - with support for up to four independent 4K monitors
Intel's "Whiskey Lake" eighth-gen Core i processors
Can accommodate up to 2TB of M.2 PCIe SSD storage and 64 GB of DDR4 RAM
ThinkShutter (webcam cover)
Battery life - up to 14 hours
Starting price - $1,389
Avail – Now
Apple iPad Pro
11" & 12.9" sizes
Liquid Retina display
A12x processor
64GB – 1TB storage
Face ID
Support for Apple Pencil 2
No headphone jack or Lightning connector
USB-C port
$799 - $1899

Apple iPad Air / iPad Mini 5
A12 Bionic chip with Neural Engine
10.5 inch Retina display (Air) / 7.9 inch (iPad Mini 5)
Support for Apple Pencil and Smart Keyboard
Touch ID, a Lightning port, and a 3.5 mm headphone jack
one pound and 6.1 mm thin
Pricing – starts $499 (Air) and $399 (Mini)

Apple Watch Series 4
Larger display (30% more viewing area)
S4 chip – up to 2x faster
Optical & Electrical heart rate sensors
Fall detection / emergency SOS
Workout detection
Speaker – 50% louder
Built-in Cellular (always connected)
$399 - $849
10,000 employees
Focus on:
- AI / machine learning
- Increasing knowledge
- Alexa “personality”
50,000+ skills
More than 100M devices w/ Alexa built in, sold to date
Echo Sub
Pair with any Echo or Echo Plus
100W of deep bass
6" floor facing woofer
Two units can be paired with two Echo devices for stereo sound
$130

Amazon
Introducing echo wall clock
An Echo companion to see timers at a glance
Show one / multiple timers from paired Echo device
$30

AmazonBasics Microwave
Voice-activated / works with paired Echo
10 power levels, kitchen timer, child lock
$59
Echo Auto
Connects to Alexa using your phone
Echo Auto can hear you over music, A/C, and road noise using eight microphones and far-field technology
50,000+ skills
Avail – (by invitation)
$25

Alexa Mobile Accessory Kit
Platform enabling accessory makers to tap into the Alexa
3rd party vendors won’t need to write their own Alexa app – simply pair to user smartphones via Bluetooth / Bluetooth LE

Get More Done with Alexa
"Alexa, set a reminder to pick up my dry cleaning."
Facebook Portal
Hands-Free Video Calling with Alexa Built-in
Smart camera – automatic zoom and follow
Disable camera & mic with single tap
Facebook doesn’t listen to, view or keep contents of video calls… hmm
Music, picture frame and web browser
Originally $199, now $99

Orbi™ Whole Home WiFi System with Built-in Cable Modem (CBK40)
Replaces cable modem (Internet box) and router
Cable modem is up to 32X faster (DOCSIS 3.0 modem with 32 x 8 channel bonding).
Eliminates WiFi dead zones and buffering — 4,000 sq. ft. of consistent coverage at speeds up to 2.2 Gbps.
Maintains speed even as more devices connect
Orbi app — create guest network, access parental controls, and run speed tests
$399
iCreation Wi-Fi Video Doorbell

Common Wi-Fi video doorbell functionality, and...

Facial recognition
- Play personalized greeting
- Voice memos from your guests

Avail - ??

RoomMe Sensor

RoomMe identifies who's in a room (proximity to user's smartphone) and automatically sets light, temperature and music to person's preferences

Compatible/controls Smart Home devices

Price - $123 (2-pack)

Avail – preorder now

Kohler Sensate

Voice and gesture commands

Simple commands to turn the water on and off and dispense measured amounts of water

Monitor water usage

20 millisecond response time

$529
Swidget
- Outlet with smart inserts
  - Control (on/off)
  - WiFi
  - Motion sensor
  - Bluetooth speaker
  - Temp/humidity sensor
  - Alexa
  - Video camera
  - Emergency light
  - White noise
  - Aroma therapy
  - More!
- Pricing – varies
- Avail – Apr-19

ShadeCraft Bloom
- Automatically raise/lower parasol via
  - Voice
  - Phone app
  - Auto wind closure
  - Built in speaker for music playback
  - Device charging
- Purchase parasol with Bloom (multiple colors) or attach to existing parasol (replaces hand crank)
- $499
- Avail – Summer-19

Roav Bolt
- Google Assistant voice control
- Works with Android (iOS in beta)
- 2-port car charger
- Noise cancellation technology
- $50
- Avail - now
Gear & Gadgets

Dell Ultrasharp 49
49-inch dual QHD 32:9 aspect ratio, curved monitor
Supports 2 different sources simultaneously – built-in KVM to switch between
USB Type-C
$1,350
Avail - now

LG 49WL95C-W
49 inch 32:9 Ultrawide 5K
Dual QHD IPS Curved LED Monitor with HDR 10
USB Type-C
Automatic brightness control
2 x 10W speakers w/ rich bass
$1,500
MobilePixels Duex

12.5”, 1080p add-on monitor
270 degree rotation and dual-sided sliding
1.7 lbs
$249

*Trio version coming soon

Samsung X5 SSD

Thunderbolt 3 and NVMe Express interface
Capacity - 500 GB, 1TB, 2TB
Read/write speeds of 2,800/2,300 MB/s
Optional Password Protection via AES 256-bit Encryption
Pricing - $400-$1,400
Samsung 256GB FIT Plus Flash Drive

- 256GB Storage Capacity
- Max Read Speed: 300 MB/s
- USB 3.1 Gen 2 Type-A Interface
- Water-Resistant & Temperature-proof
- 32GB-256GB capacity
- $60

SanDisk 1TB microSD

- World's fastest (read speed 160 MB/s)
- 1TB micro SDXC UHS-I
- $450

Secure drive BT

- 1TB-5TB HDD / 256GB-8TB SSD
- Hardware Encryption – AES256-bit XTS / FIPS 140-2 Level 3 Validated
- OS Independent
- Secure wireless user authentication via mobile app (iOS/Android)
- TrueHD / Faced (iOS) unlocking
- Geo-fencing, time-fencing, remote wipe, Step-Away Locking Option
- Admin/User Mode, Read-Only Mode, Auto-Lock
- Price: starting at $259
YubiKey 5 Series
Multi-protocol security key, providing strong two-factor, multi-factor and passwordless authentication, and seamless touch-to-sign.
Supports FIDO2, FIDO U2F, one-time-password (OTP), and smart card; choice of form factors for desktop or laptop
- Stops account takeovers
- Multi-protocol support; FIDO2, U2F, Smart card, OTP
- USB-A, USB-C, NFC
$45
Avail - now

Ledger Nano X
Cryptocurrency/hardware wallet – offline, “cold” storage, secure device, enabling you to protect the private keys giving access to your assets
Private keys are safely isolated inside the device’s certified secure element (CC EAL5+), same chip used in highly secure applications such as credit cards and passports
Bluetooth enabled – connect to smartphone or laptop
Multicurrency – 1,100+ assets supported
Accounts can be restored on any Ledger device (using confidential 24 word recovery phrase)
$119
Avail – May-19

Tile
Replaceable batteries (guaranteed to last 1yr)
Increased Bluetooth range
Louder location alerts
Premium service
- 30 day location history
- Smart Alerts
- Replacement batteries
Embr Wave Bracelet
Temperature waves cool or warm the user
2-3 days / charge
Embr mobile app
30-day guarantee
$299

Bullbird Travel Pillow
Memory foam - won’t flatten over time
Hand washable
Two sleeping angles
Attach to airline seat
$56
Setting the pace...

OTA updates
Battery tech
Long distance – 325 mi.
Supercharger network – 12,000 chargers in 1,400 locations
V3 supercharger – 75 mile recharge in 5 min.

Open source patents
@dcieslak

http://bit.ly/2ZALQt0