

PWC G8 Gals@Technology

Tech Toys for the Holidays

Nov 16, 2020





Scott Ksander

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- 40+ years in the IT field, 26 years at Purdue
- Wrote his first program (FORTRAN) when he was in 5th grade. Purdue degree in Computer Science.
- Areas of interest – systems development, networking, security
- In retirement, Scott writes a technology column for the Purdue Retirees Newsletter and does presentations for the Purdue Women's Club
- Scott and Peggy enjoy life with their kids and grandkids – especially on trips to DisneyWorld
- Scott grew up in Chicago and Peggy grew up in Fish Lake, Indiana (city boy meets farm girl at Purdue story – and the adventure continues ...)



Current Topics

The infographic for the Apple M1 chip is centered around the M1 logo, which is a white Apple logo followed by 'M1' in white, set against a black square with a glowing, multi-colored border. Surrounding this central logo are various feature tiles, each with an icon and text. The tiles are arranged in a grid-like fashion. The top row includes '5 nanometer process' (orange text), 'Machine learning accelerators' (with a neural network diagram), and '16-core Neural Engine' (with '11 trillion operations per second' below it). The middle row features 'Thunderbolt / USB 4 controller' (with a lightning bolt icon), 'Media encode and decode engines' (with a play button icon), and 'Up to 8-core GPU' (with '8-core CPU' to its right). The bottom row includes 'Advanced image signal processor' (with a camera sensor icon), 'Secure Enclave' (with a padlock icon), 'Unified memory architecture' (with a memory stack icon), and 'Industry-leading performance per watt'. A large tile on the left side of the middle row states '16 billion transistors'.

5 nanometer process

Machine learning accelerators

16-core Neural Engine
11 trillion operations per second

Thunderbolt / USB 4 controller

Media encode and decode engines

16 billion transistors

Apple M1

Up to **8-core GPU** and **8-core CPU**

Advanced image signal processor

Secure Enclave

Unified memory architecture

Industry-leading performance per watt

Current Topic

- MacBook Air with M1 starts at \$999
- Mac Mini with M1 starts at \$699
- MacBook Pro with M1 starts at \$1,299



Starlink “Beta” Program

- Kit costs \$499 with \$99/month fee
- Kit contains dish, power supply, router, and mount
- Expect 50Mb/s to 150Mb/s with 20-40ms latency
- Augmented reality app to aim the antenna



Current Topics



- Windows 10 permanently removing Adobe Flash player. You likely won't notice but getting rid of Flash is a good thing
- Next Windows 10 release called 20H2 rolled out starting Oct 30th
 - Edge browser update
 - Redesigned Start Menu (minor so far)
 - Better Notifications
 - Smoother tablet mode switch
 - Improvements for display settings menu
 - Reset PC From the Cloud (local media no longer needed)





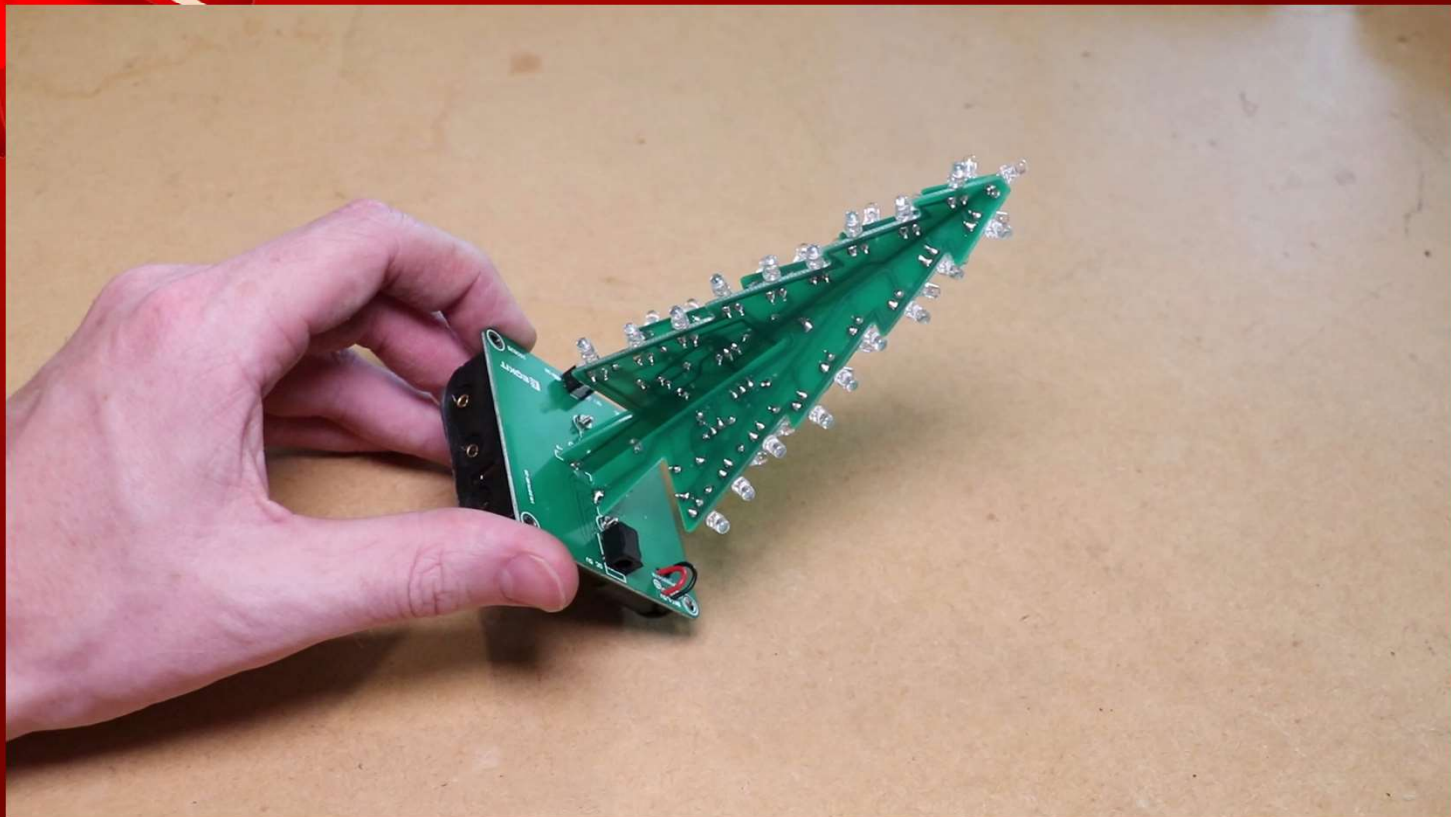
Electric Santa Climbing Ladder

Many size options from \$14 to \$75

Available playing 15 carols



3D Christmas Tree LED DIY Kit





3D DIY Christmas Tree

- \$12
- Soldering required



Floppy Disk Coasters

Silicone
Heat Resistant
Non Slip

\$9

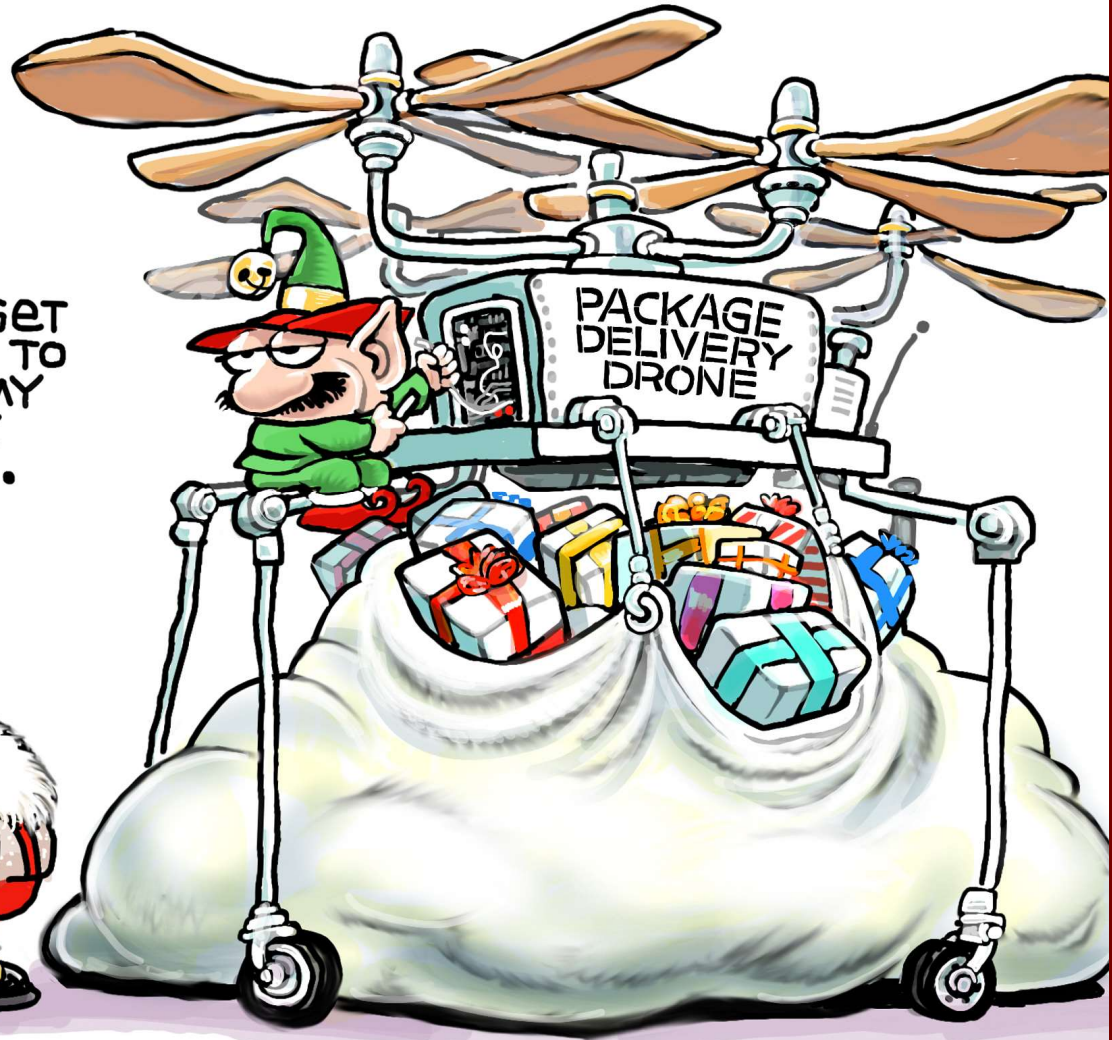


Keyboard Waffle Iron

- Die-cast Aluminum
- “wireless” cooking
- Non-stick
- Includes 20 Recipes!
- \$70



AND DON'T FORGET
TO PROGRAM IT TO
BRING BACK MY
HAUL OF MILK
AND COOKIES.



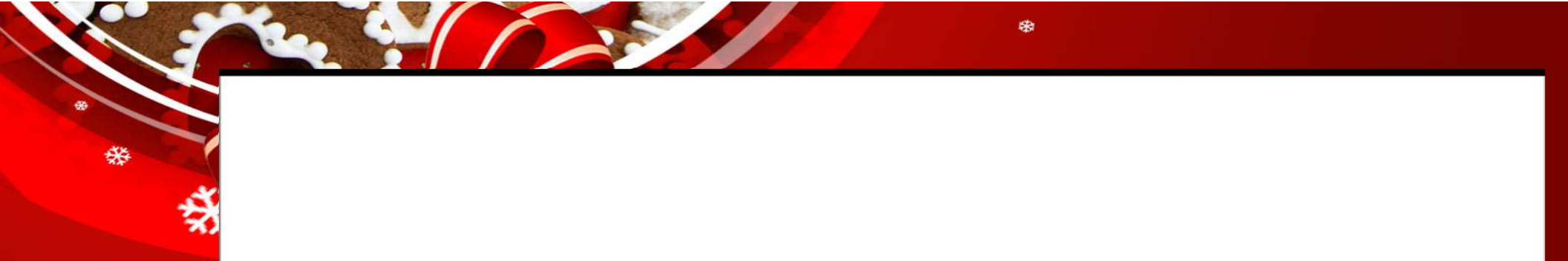
SHADOW X DRONE



Shadow X Drone



- Foldable Drone
- HD Photos and Video (120 frames per second)
- 21-minute fly time
- Collision avoidance sensor
- Slo-mo Mode
- Panorama Mode
- \$99 or less



ring Always Home Cam

Prototype device depicted. Functionality simulated for illustrative purposes only.

Ring Always Home Cam has not been authorized as required by the rules of the Federal Communications Commission. Ring Always Home Cam is not, and may not be, offered for sale or lease, or sold or leased, until authorization is obtained.

Not Available
until 2021!!!

(but you can
sign up now!)

ring

Always Home Cam

\$249⁹⁹



Sign up for information on early access starting today



Ring Mailbox Sensor

\$30

Alexa enabled





Desktop & Wall Pull-Up Lazy Bracket

\$30-ish but getting hard
to find



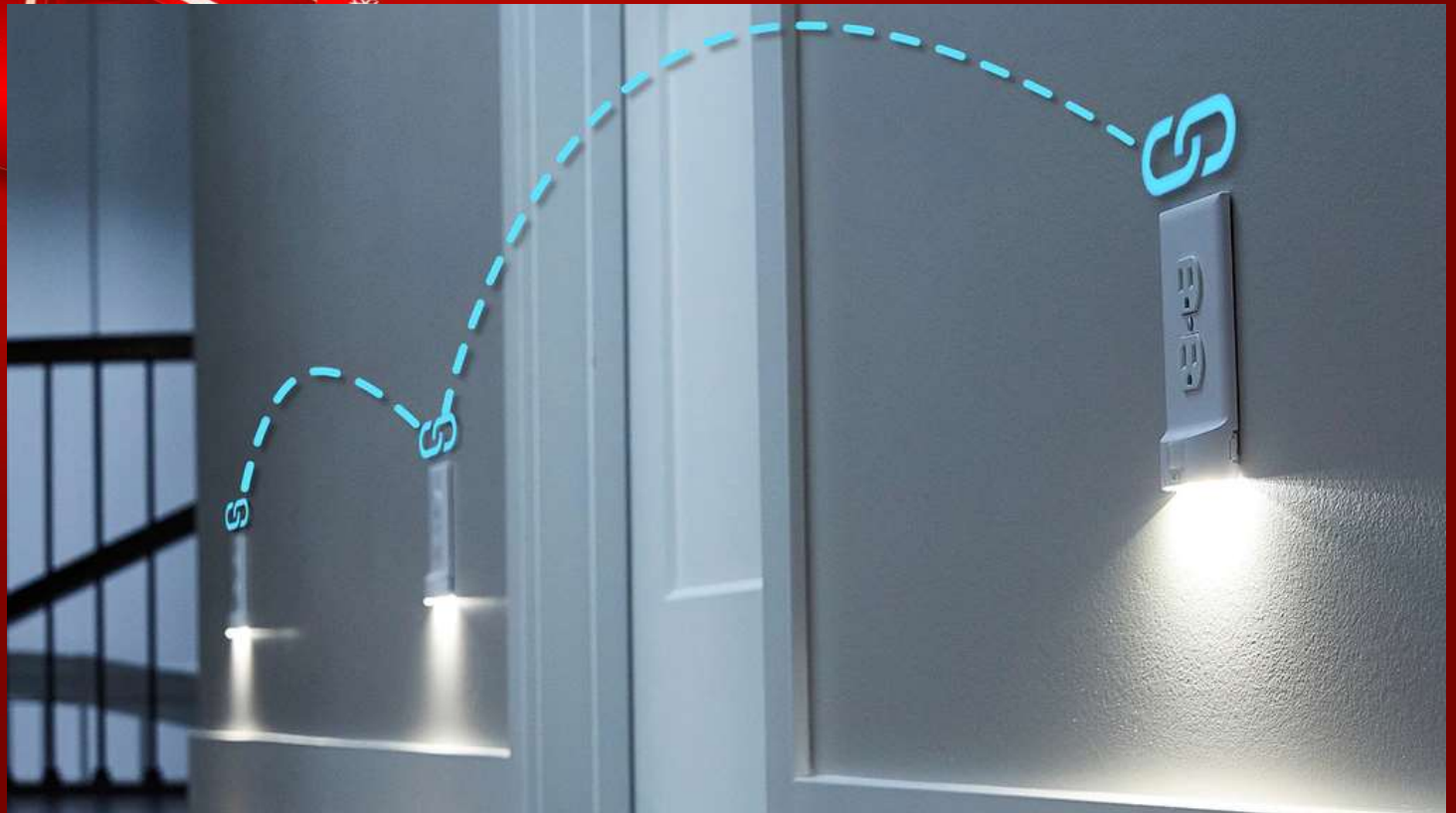
SnapPower



SnapPower ConnectLight


On Kickstarter will
Ship in Dec. ❄️

- Connect Mode
- Sleep Mode
- Zone Control
- On-time Control
- Brightness Control





Neato D7 Laser-guided Robot Vacuum

 Closer clean



CornerClean™ Design
cleans in corners & along walls

- \$600
- Alexa Enabled
- 150-minute run time per charge
- Carpets, hardwood, tiles



New Smart Speaker

Apple HomePod
Apple HomePod Mini
Amazon Echo Boost
Google Nest Audio

Improved Audio Quality
Pair for Stereo

Voice Assistance



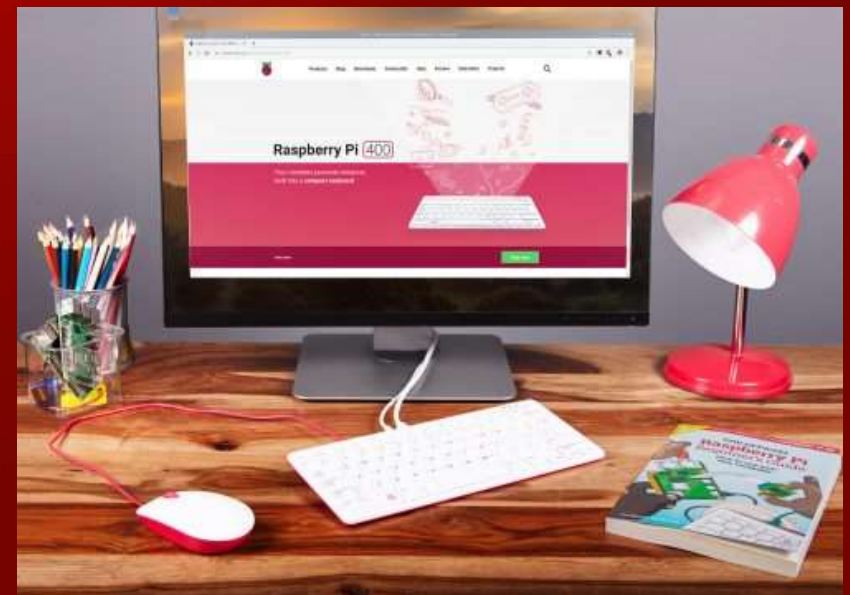
ZVOX Accuvoice AV157

- 12 levels of “Voice Boost”
- 24 watt Class D digital amp
- Dolby Digital decoding
- Optical and wired input
- Headphone jack
- Subwoofer jack
- Black, Espresso, Titanium
- \$200



Raspberry Pi 400

- Complete unit integrated in a keyboard
- Runs Linux (Raspberru Pi OS)
- Complete kit available to \$100





Charmin Roll Delivery Robot



Motion Activated Toilet Light

- Glowbowl Fresh
- 13 “vibrant” LED colors
- Built-in air freshener
- \$19.99
- Buy 3, Get 2 Free
- Buy 5, Get 5 Free





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