



November General Meeting **2022 Tech Purchasing Guide** **for Holiday Shopping**

2:00-3:30 pm
Wednesday November 2, 2022
Gila Room_ - Cimarron Center

Joe Parla

Grand Computers Club

Topics

[Desktop computers](#)

[Laptop computers](#)

[Tablets](#)

[Smartphones](#)

[Headphones](#)

[Bluetooth speakers](#)

[Power banks](#)

[Smart speakers](#)

[Fun stuff](#)

Desktops for 2022

Considerations

- **Brand**
- **CPU – type, speed, cores**
- **GPU – memory, processor**
- **RAM – size, type, speed**
- **Storage – size, type, speed**
- **Network – Wi-Fi, cellular, ethernet**
- **Graphics – resolution, refresh rate, frames/second**
- **Ports – number, type, speed**
- **Form factor**

TechRadar

Best computers you can buy in 2022

Category	Winner	Specs	Price
Best Overall	Dell XPS 8940 Special Edition	Core i5, 8GB RAM, 256GB SSD, 1TB Drive, W10 Home Core i9, 64GB RAM, a 2TB SSD, 2TB HDD, W10 Pro	\$1,099 \$3,424
Best Mini	Lenovo Ideacentre Mini 5i	Core i3, 8GB RAM, 1TB HDD, 128GB SSD, W11 Home	\$500
Most Powerful	MSI MEG Aegis Ti5	Core i9, 128GB RAM, 3TB HDD, 2TB SSD, W11 Home	\$5900
Best All-in-One	iMac (24-inch, 2021)	7-core M1, 8GB RAM, 256GB SSD, 24-inch 4.5k Retina	\$1299
Compact Workhorse	Corsair One i300	Core i9, 64GB DDR5 RAM, 2TB M2 SSD, W11 Pro	\$4500

TechRadar

Best computers you can buy in 2022

Category	Winner	Specs	Price
Mac Mini	Mac Mini (M1, 2020)	M1 CPU, 8GB RAM, 256GB SSD M1 CPU, 16GB RAM, 2TB SSD	\$699 \$1699
Digital Artists PC	Lenovo Yoga A940	Core i7, 32GB RAM, 256GB SSD, 1TB Drive, 27-inch display, W10 Home	\$1646
Digital Artists Mac	Mac Studio	M1 Ultra 20-core CPU, 128GB Unified memory, 8TB SSD storage	\$7999
DIY Hobbyist	Raspberry Pi 4 Model B	Quad core CPU, 8GB Ram, SD card required	\$276
PC on a stick	10: Azulle Access4	Celeron N4100, 4GB Ram, 64GB eMMC storage, SD Card slot, W10 Pro	\$189

Laptops for 2022

Considerations

- **Brand**
- **CPU – type, speed, cores**
- **GPU – memory, processor**
- **RAM – size, type, speed**
- **Storage – size, type, speed**
- **Network – Wi-Fi, cellular, ethernet**
- **Graphics – resolution, refresh rate, frames/second**
- **Ports – number, type, speed**
- **Form factor – 2-in-1, keyboard, touchpad, stylus**

TechRadar

Best laptops you can buy in 2022

Category	Winner	Specs	Price
New laptop	Apple MacBook Air (M2)	8-core M2 chip, 8GB unified memory, 512GB SSD, 13.6-inch Liquid Retina display	\$1499 \$2499
Affordable	Lenovo IdeaPad Duet Chromebook	MediaTek Helio P60T CPU, 4GB RAM, 128GB SSD, Chrome OS	\$279
Best value Mac	Apple MacBook Air (M1, 2020)	M1 Chip, 8GB RAM, 256GB SSD Storage, 13" Retina Display	\$899
High-end Value	Dell XPS 13 (2022)	Core i7, 32GB RAM, 1TB SSD, 4K 13" Display, W11 Home	\$1724
Microsoft Laptop	Microsoft Surface Laptop 4	Ryzen 5 CPU, 8GB RAM, 256GB SSD, W10 Home	\$799

TechRadar

Best laptops you can buy in 2022

Category	Winner	Specs	Price
Budget Laptop	<u>Acer Swift 3</u>	Ryzen 7 CPU, 8GB RAM, 512GB NVMe, W10 Home	\$659
Productivity Laptop	<u>MacBook Pro 14-inch (2021)</u>	M1 Pro chip, 16GB RAM, 512GB SSD	\$1859
Performance Laptop	<u>HP Spectre x360 (2021)</u>	Core i5, 8GB RAM, 256GB SSD, W10?	\$1299
Gaming Laptop	<u>Razer Blade 14</u>	Ryzen 9, 16GB RAM, 1TB SSD, W10 Home, 14" QHD 165Hz Display	\$2184
Large Display	<u>Dell XPS 17 (2022)</u>	Core i7, 64GB RAM, 1TB SSD, W11 Pro, 17" 4K Display	\$2699

TechRadar

Best laptops you can buy in 2022

Category	Winner	Specs	Price
ASUS Ultrabook	Asus ZenBook 13 (2021)	Core i5, 8GB RAM, 256GB SSD, W10 Home, 13" OLED Display	\$867
Affordable Gaming	Asus TUF Dash F15	Core i7, 16GB RAM, 512GB SSD, W11 Home, 16" FHD Display	\$1138
2-in-1 Laptop	Lenovo ThinkPad X1 Yoga Gen 6	Core i7, 8 GB RAM - 256 GB SSD, W11 Pro, 14" Display	\$1595
Best Chromebook	Google Pixelbook Go	Core i7, 16 GB RAM, 256 GB SSD, 13" 4K Display	\$1899
Cheap Laptop	Asus VivoBook S15	Core i5, 8GB RAM, 512GB PCIe SSD, W10 Home, 15" FHD Display	\$584

Tablets for 2022

Considerations

- **Brand**
- **CPU – type, speed, cores**
- **GPU – memory, processor**
- **RAM – size, type, speed**
- **Storage – size, type, speed**
- **Network – Wi-Fi, cellular**
- **Graphics – resolution, refresh rate, frames/second**
- **Ports – number, type, speed**
- **Form factor – 2-in-1, keyboard, touchpad, stylus**

TechRadar

Best tablets you can buy in 2022

Category	Winner	Specs	Price
Best Overall	iPad Pro 12.9 (2022)	M2 Chip, Wi-Fi, 1TB	\$1799
Best Android	Samsung Galaxy Tab S8 Ultra	Super AMOLED, 120Hz, HDR10+ 14.6" Screen, 512GB RAM	\$700
Affordable iPad Pro	iPad Air (2022)	M1 Chip, Wi-Fi, 256GB	\$749
Entertainment Tablet	Lenovo Yoga Tab 13	Snapdragon 870 Processor, 128GB Storage, Android 11, 13.0" Touch Screen	\$550
Basic iPad	iPad 10.2 (2022)	A14 Bionic Chip, Wi-Fi, 256GB	\$599

TechRadar

Best tablets you can buy in 2022

Category	Winner	Specs	Price
Golden Oldie	Samsung Galaxy Tab S7 Plus	Qualcomm SDM865 Octa Core, Wi-Fi, 256 GB Storage	\$684
Best 11" iPad	iPad Pro 11 (2022)	M2 Chip, Wi-Fi, 512GB	\$1099
Best Middle iPad	iPad Air 4 (2020)	A14 Bionic Chip, Wi-Fi, 64GB	\$417
Media Tablet	Lenovo Tab P12 Pro	Snapdragon 870, 12.6" AMOLED Screen, 256GB, Keyboard	\$750
Best Small Tablet	iPad mini (2021)	A15 Bionic Chip, Wi-Fi, 256 GB	\$649

Phones for 2022

Considerations

- **Brand**
- **CPU – type, speed**
- **RAM – size, type, speed**
- **Storage – size, type, speed**
- **External storage – SD slot**
- **Network – Wi-Fi, cellular, 5G?**
- **Graphics – screen size, resolution, LED configuration**
- **Form factor – Flip, fold, stylus**

TechRadar

Best phones you can buy in 2022

Category	Winner	Specs	Price
Apple top iPhones	iPhone 14 Pro review iPhone 14 Pro Max review	A15 Bionic, 5-core GPU, 128GB-512GB memory A16 Bionic, 5-core GPU, 128GB-1024GB memory	\$799-\$1099 \$1099-\$1599
Samsung budget	Samsung Galaxy A53	Exynos 1280 CPU, 6GB ROM/128GB Storage, SD card slot, 6.5" FHD Super AMOLED Screen	\$450
Best Pixel phone	Google Pixel 7 Pro	Tensor G2 CPU, 5G, 6.7" Unlocked, Telephoto and Wide Angle Lens, 256GB memory, no SD card slot	\$999
Most versatile	Samsung Galaxy S22 Ultra	Exynos 2200 CPU, 8GB ROM/256GB Storage, 6.8" AMOLED screen, no SD card slot	\$1200
Clamshell folding	Samsung Galaxy Z Flip 4	Snapdragon 8 Plus CPU, 8GB ROM/256GB Storage, 6.7" AMOLED screen, no SD card slot	\$850

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Best phones you can buy in 2022

Category	Winner	Specs	Price
Pixel for less	Google Pixel 7	Tensor G2 CPU, 5G, 6.7" Unlocked Smartphone, Wide Angle Lens, 256GB memory, no SD card slot	\$699
Basic iPhone	iPhone 14	A16 Bionic, 5-core GPU, 6.1" display, 256GB memory	\$890
Fast charging	OnePlus 10 Pro	Snapdragon 8 CPU, 8GB ROM/256GB Storage, 6.7" AMOLED screen, no SD card slot	\$850
Budget iPhone	iPhone SE (2022)	A15 Bionic, 4.7" display, 128GB memory	\$479
Mid-range iPhone	iPhone 13 / iPhone 13 mini	A15 Bionic, 6-core GPU, 5.4" display, 256GB memory	\$929

Headphones for 2022

Considerations

- **Fit – buds, on-the-ear, over-the-ear, ear clip**
- **Frequency response**
- **Noise cancel**
- **Battery – hours of use, recharge case**
- **Network – Bluetooth 5+, wired,**
- **Customization - equalizer**
- **Connections – phone, computer, music player, AV system**
- **Weight**

TechRadar

Best headphones you can buy in 2022

Category	Winner	Specs	Price
Best for most	Sony WH-1000XM4	Closed design, noise cancel, 253g., 20-40kHz, 30 hours	\$348
Budget air buds	Cambridge Audio Melomania 1 Plus	Closed design, no noise cancel, 4.5g./bud, 20-20kHz, 50 hours with case (9x5hrs.)	\$60
Options and quality	Sennheiser Momentum 4 Wireless	Closed design, noise cancel, 293g., 6-22kHz, 60 hours	\$350
Best and pricey	Sony WH-1000XM5	Closed design, noise cancel, 250g., 4-40kHz, 30-40 hours	\$398
Best Apple aie buds	Apple AirPods Pro 2	H2 Chip, MagSafe Charging Case, Active Noise Cancelling, Personalized Spatial Audio, Customizable Fit, 6-30 hours	\$239

Smartwatches for 2022

Considerations

- **Brand**
- **Size – Watch face, band length & type**
- **Screen – buttons, touch, resolution**
- **Battery – Hours of use, recharge method**
- **Network – Bluetooth 5+**
- **Software – Specific, general, compatibility**
- **Connections – Phone, computer**
- **Core features – Body, health, fitness, messages, calls**
- **Other features – Fall detection, ECG, camera**

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Best smartwatches you can buy in 2022

Category	Winner	Specs	Price
Best Apple around	Apple Watch 8	Fitness Tracker, Blood Oxygen & ECG Apps, Always-On Retina Display, Water Resistant, crash & fall detection	\$419
Ultimate Apple watch	Apple Watch Ultra	GPS + Cellular, 49mm, Titanium Case, Fitness Tracker, Precision GPS, Action Button, Extra-Long Battery Life, Brighter Retina Display, crash & fall detection	\$799
Best Samsung	Samsung Galaxy Watch 5 Pro	Body, Health, Fitness and Sleep Tracker, Improved Battery, GPS Tracking, Titanium Frame, fall detection	\$399
Pixel watch	Google Pixel Watch	Fitbit Activity Tracking, Heart Rate Tracking, Stainless Steel case, other features coming	\$350
Best Fitbit	Fitbit Versa 3	Health & Fitness, GPS, 24/7 Heart Rate, Alexa Built-in, 6+ Days Battery, no fall detection	\$155

Smart speakers for 2022

Considerations

- **Brand**
- **Form factor – Shape, weight**
- **Power – Hours to charge, recharge ports**
- **Network – Wi-Fi, Bluetooth 5+**
- **Software – General, compatibility, smart home**
- **Connections – Power ports in & out, other speakers**
- **Core features – Sound quality, equalizer, control hubs**
- **Other features – Privacy, sound quality**

Smart speakers for 2022

Category	Winner	Specs	Price
Best sound	<u>Sonos One</u>	Alexa or Google Assistant, can be paired, Airplay 2 to use Siri	\$219
Best budget	<u>Amazon Echo Dot (2020)</u>	Alexa, 3.5 mm line out	\$50
Best for Siri	<u>Apple HomePod mini</u>	Siri built-in, great sound	\$97
For Google Assistant	<u>Google Nest Audio</u>	No Zigbee hub support	\$50
Great sound	<u>Bose Smart Speaker 500</u>	Alexa, best sound, Bluetooth, Wi-fi	\$379

Power banks for 2022

Considerations

- **Brand**
- **Size – Number of amps, dimensions, weight**
- **Screen – Digital, analog, none**
- **Power – Hours to charge, remaining power**
- **Connections – USB-C, USB-A, Lightning**
- **Features – Number of input & output ports**

TechRadar

Best power banks you can buy in 2022

Category	Winner	Specs	Price
Affordable	iMuto 20,000mah power bank	20000mAh Portable Charger with Dual USB-C PD & 2 USB-A, digital display	\$80
Fast charging	Anker PowerCore 20,100mAh power bank	Anker PowerCore 20,100mAh Portable Charger with 4.8A Output and PowerIQ Technology	\$54
Lightweight	EAFU Power Bank	EAFU Portable Charger, 10000mAh 3A, High Speed LED Display, with Flashlight	\$16
Many ports	MAXOAK 50,000mAh power bank	MAXOAK Laptop Power Bank, 185Wh/50000mAh(Max.130W), heavy	\$129
Good value	Yobon 30,000mAh Power Bank	30000mAh Power Bank Portable Phone Charger High Capacity External Backup Battery Pack 4 USB Ports Quick Charge LCD Display	\$21



Tech Fun Stuff



Thumbs Up Lazy Phone Stand - \$6.99



4K UHD Triple Color Laser TV - \$3,000



 ALPD® 4.0 RGB+ Triple color laser light source	 4K UHD	2800 ANSI lumens	 107% of BT.2020 ultra-wide color gamut
 Sound by Bowers & Wilkins	Certified android tv 11.0	 Max 150" Throw ratio of 0.23	 ALLM Auto Low Latency Mode
 Dolby VISION + ATMOS	 Google Assistant far-field voice control	 MEMC	 Speckle elimination technology

Macally Car Cup Holder Tray - \$40



PhoneSoap 3 UV Phone Sanitizer - \$56



360-Degree UV-C Light Sanitizer | Disinfects and Charges All Phones

Programmable Robot with Dongle, - \$93



Programmable Robot & Dongle, Learn Robotics, Electronics and Programming

8 in 1 Wireless Charging Station - \$40



Charging Dock with AirPods iWatch Charger Stand, 10W Wireless Charger and 9 Short Mixed Cables for iPhone/iPad/Android/Tablets-Black

[GiiKER Speed Cube i3s - \\$40](#)



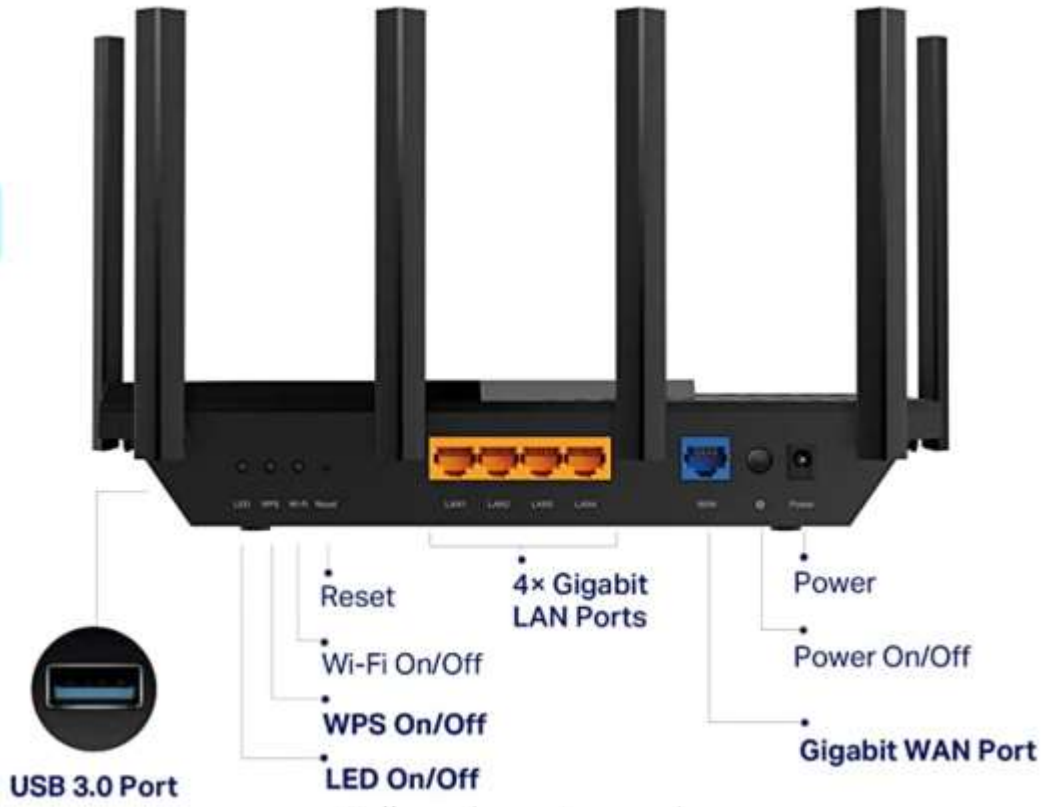
**Real-time Connected STEM Smart Cube
3x3 for All Ages, Companion App
Support Online Battle with Cubers
Across The Globe**

[Anker USB C Hub - \\$79](#)



**USB-C Hub (8-in-1), 100W Power, 4K 60Hz HDMI,
10Gbps USB C and 2 USB A Data Ports,
Ethernet Port, microSD and SD Card
Reader**

TP-Link AXE5400 Tri-Band WiFi 6E Router - \$180



Tri-Band Wi-Fi 6E Router, (6 GHz: 2402 Mbps; 5 GHz: 2402 Mbps; 2.4 GHz: 574 Mbps), Quad-Core CPU and 512MB High-Speed Memory

4 in 1 Portable Waist Clip Fan - \$37



10000mAh large battery capacity, speed 1: 18hours, speed 2: 7hours, speed 3: 3.5hours, flashlight, power bank

Other Sites

- [GH Tech Toys](#)
- [Tech Radar Guides](#)
- [Consumer Reports](#)
- [Buyers Guide](#)
- [Best Reviews](#)

Next Coffee Chat

**What's to know about
electrical vehicles (EV's)?**

8:30 – 10:00 am

Thursday

November 10, 2022

Palo Verde Room

Sonoran Plaza

Next General Meeting

Holiday Celebration!
Food and beverages served.
Get to know your club leaders and VIPs and meet other members. We'll have fun activities and demos.

Wednesday
December 7, 2022
Noon

Agua Fria Room
Cimarron Center

Questions???

