Technology Gift Guide 2024

Portable

Home

Software & Subscriptions

Daily Tasks.

Portable Tech

1. Phone / Tablet
2. Laptop
3. Watch
4. GPS Tracker
5. Headphones
6. Battery Bank
7. Cables

Apple
iPhone 16 Pro

Pixel 9

Samsung -
Galaxy 24

Lenovo - IdeaPad 3i Chromebook 15.6" FHD Laptop - Intel Celeron - 4GB Memory with 64GB eMMC Storage - Artic Grey

Model: 82N4004NUS **SKU:** 6588651

(66)

Pick up **today** at Polaris

Get it by **tomorrow** to 43085 • FREE

Compare Save

$109.00

Save $140 Was $249.00

Deal ends in 10:35:28

Free 6-month security software
A $29.99 value

Add to Cart

Open-Box: from $101.99

HP - 15.6" Chromebook Laptop - Intel Processor N200 - 8GB Memory - 64GB eMMC - Natural Silver

Model: 7J267UA#ABA **SKU:** 6535992

(931)

Pick up **today** at Polaris

Get it by **tomorrow** to 43085 • FREE

Compare Save

Cyber Deal >

$179.00

Save $220 Was $399.00

Deal ends in 10:35:28

Free 6-month security software
A $29.99 value

Add to Cart

Open-Box: from $158.99

Pay the extra money if you want it work better, do more multi-tasking, and do what you want it to.

Sponsored

HP - Envy 2-in-1 16" 2K Touch-Screen Laptop - Intel Core Ultra 7 - 16GB Memory - 1TB SSD - Glacier Silver

Model: 9S1R6UA#ABA **SKU:** 6571084

(532)

Pick up **today** at Polaris

Get it by **tomorrow** to 43085 • FREE

Compare Save

Cyber Deal >

$649.99

Save $450 Was $1,099.99

Free 6-month security software & 2 more A $30 value

Add to Cart

Open-Box: from $526.99

NEW STANDARD

ABOVE AVERAGE

Lenovo - IdeaPad 1 14" HD Laptop - Intel Celeron N4020 - 4GB Memory with 128GB eMMC Storage - Abyss Blue

Model: 82V6009NUS **SKU:** 6588658

(94)

Pick up **today** at Polaris

Get it by **tomorrow** to 43085 • FREE

Compare Save

Cyber Deal >

$119.99

Save $130 Was $249.99

Deal ends in 10:30:59

Free 6 months of security software & 1 more

Add to Cart

Open-Box: from $112.99

GARBAGE

WASTE OF MONEY

ASUS - Vivobook 14" Laptop - Intel Core i3-1215U with 8GB Memory - 128GB SSD - Quiet Blue

Model: X1404ZA-I38128 **SKU:** 6568805

(387)

Pick up on **Dec 11** at Polaris

Get it by **Dec 6** to 43085 • FREE

$219.99

Save $210 Was $429.99

Deal ends in 10:30:59

Free 6 months of security software & 1 more

Add to Cart

SHORT TERM USE

Phone	Battery Life estimate	Video
Apple iPhone 16 Pro Max 4685 mAh	8h 30min	10h 24min
Apple iPhone 16 Plus 4674 mAh	7h 31min	10h 24min
Apple iPhone 16 Pro 3582 mAh	6h 35min	8h 29min
Apple iPhone 16 **3561 mAh**	6h 21min	7h 30min

The battery capacity of a Samsung Galaxy phone varies by model, but here are some examples:

- **Galaxy S23+**: 4,700 mAh
- **Galaxy S22+ and Galaxy S21 FE**: 4,500 mAh
- **Galaxy Z Fold5, Galaxy Z Fold4, and Galaxy Z Fold3**: 4,400 mAh
- **Galaxy S24**: 4,000 mAh
- **S20 Ultra (G988B)**: 5,000 mAh
- **S20 FE (G780G)**: 4,500 mAh
- **S10 Lite (G970F)**: 4,500 mAh
- **S10e**: 3,100 mAh

USB C can provide 240 watts of power. Normal USB-C cable must provide at least 3 amps of current up to 60 watts.

Cables are also allowed to support up to 5 A (with 20 V limit up to 100 W of power).

Capacity : The amount of power a power bank can store, measured in milliampere hours (mAh).

A higher mAh rating means the power bank can store more energy and power a device for longer.

Wattage: How quickly the power bank charges itself and your devices.

A power bank with at least 30 watts of output is recommended for phones and tablets.

Home Technology

1. Wi-fi Router
2. Smart Home Speaker
3. Home Security
4. Charging Station / Organizer
5. Digital Picture Frame
6. Streaming Player
7. Cruituit
8. 3D Printer

IEEE WiFi Standards Cheat Sheet

OX IT Solutions Ltd

TP-Link AXE5400 Tri-Band WiFi 6E Router (Archer AXE75)- Gigabit Wireless Internet Router, ax Router for Gaming, VPN Router, OneMesh, WPA3

IEEE Standard	WiFi Gen	Year	Frequency	Max PHY Data Rate	Max Range
802.11	-	1997	2.4 GHz	2 Mbps	20m (indoor) 100m (outdoor)
802.11 a	-	1999	5 GHz	54 Mbps	35m (indoor) 120m (outdoor)
802.11 b	-	1999	2.4 GHz	11 Mbps	35m (indoor) 140m (outdoor)
802.11 g	-	2003	2.4 GHz	54 Mbps	38m (indoor) 140m (outdoor)
802.11 n	WiFi 4	2009	2.4/5 GHz	600 Mbps	70m (indoor) 250m (outdoor)
802.11 ac	WiFi 5	2013	5 GHz	6.9 Gbps	35m (indoor)
802.11 ad	-	2012	60 GHz	8.1 Mbps	3.3m (indoor)
802.11 ah	-	2017	Sub 1 GHz	347 Mbps	1km
802.11 ax	WiFi 6	2021	2.4/5/6 GHz	9.6 Gbps	30m (indoor) 120m (outdoor)
802.11 ay	-	2021	60 GHz	303 Gbps	10m (indoor) 100m (outdoor)
802.11 be	WiFi 7	2024	2.4/5/6 GHz	46.1 Gbps	30m (indoor) 120m (outdoor)

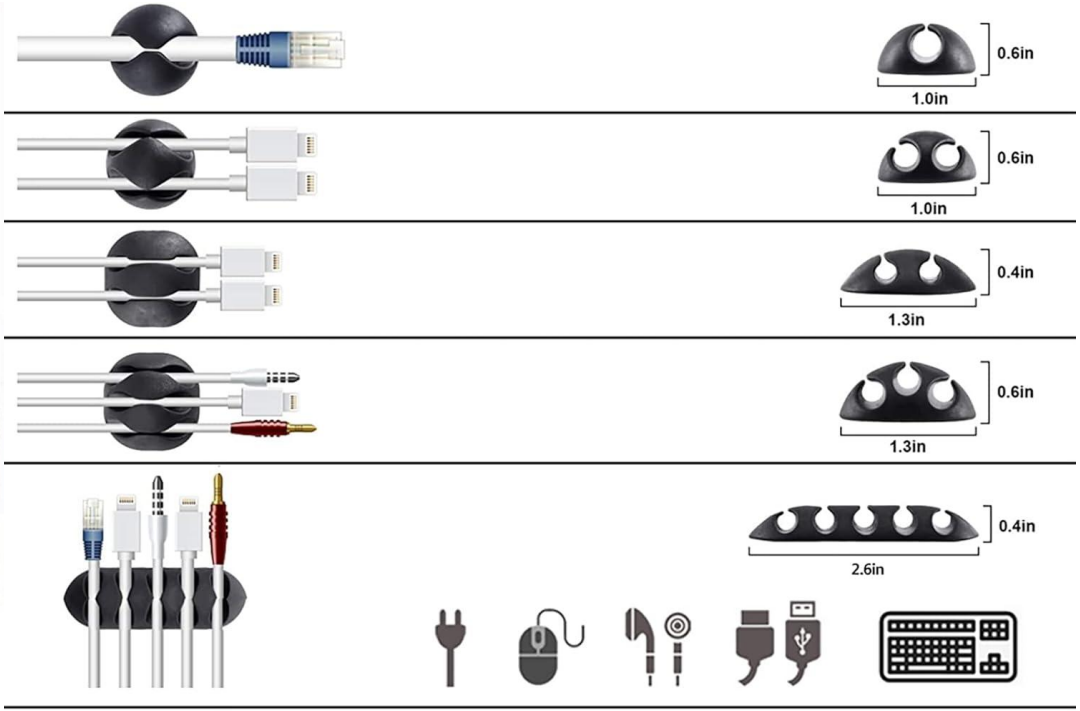
WEP vs WPA vs WPA2 vs WPA3

	WEP	WPA	WPA2	WPA3
Release Year	1997	2003	2004	2018
Encryption	RC4	TKIP / RC4	AES-CCMP	AES-CCMP / AES-GCMP
Session Key	64/128 bit	128 bit	128 bit	128/256 bit
Authentication	Open system, shared key	Pre-shared key	Pre-shared key	AES-CCMP / AES-GCMP
Level of Security	Very low	Low	Moderate	High
Weakness	Insecure encryption easily exploited by hackers	Weak encryption, compatibility issues	Vulnerable to key reinstallation attack (KRACK)	Complex deployment

Google Home

amazon echo
amazon alexa
Touch to learn more
echo dot
echo
echo plus

2.16 in
0.79 in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0.4in
1.3in
0.6in
1.3in
0.4in
2.6in

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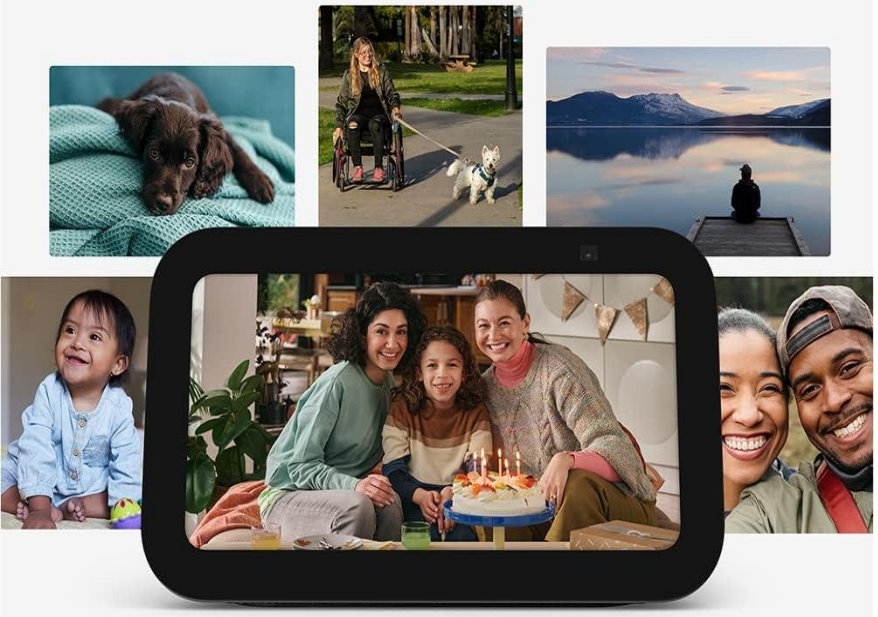
Wired

Wireless



See your photos on
(smart) display

Upload photos and videos
in the following ways

Frameo
SHARE YOUR MOMENTS

Roku Ultra
HD | 4K | HDR
Dolby Vision · Atmos
Wi-Fi® 6
The ultimate streaming player
Rechargeable voice remote with backlit buttons
Roku Channel
ESPN
peacock
ViX
hulu
NETFLIX
Spotify
abc
redbox.
plus thousands more
more
Roku

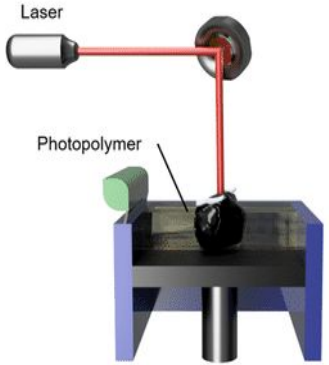
onn.
androidtv
Hey Google
watch
onn.
UHD Streaming Device
NETFLIX
YouTube
Disney+
HBOmax
YouTube TV
hulu
peacock
ESPN
STARZ
Chromecast built-in
Dolby Audio
HDMI

fire tv stick 4K MAX
16 GB
Wi-Fi 6E
NETFLIX
prime video
YouTube
Disney+
hulu
tv
max
HDMI
fire tv

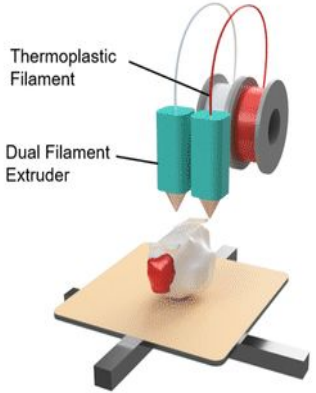
tv

cricut
Personal Electronic Cutter
Provo Craft
George and Basic Shapes
Nursery Rhymes

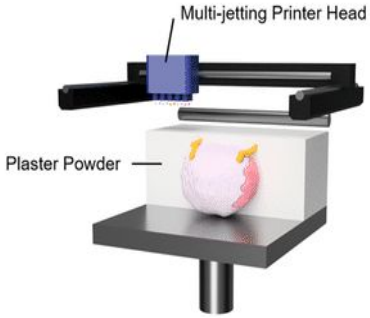
Material Jetting (MJ)



Fused Deposition Modelling (FDM)



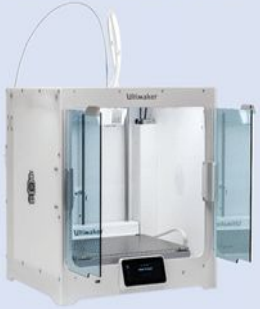
Colour Jet Printing (CJP)



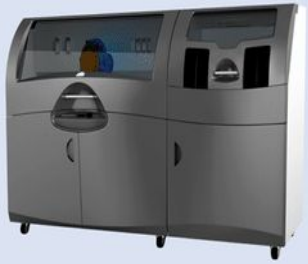
Printers

Objet500 (Stratasys)

Ultimaker S5 (Ultimaker)



Projet 660Pro (3D Systems)



Home Model
$299

Software & Subscriptions

1. Password Manager

2. Cloud Backup
   a. Mobile b. Desktop c. File Storage

3. Media Subscription

4. Free / Paid Software

Wi-Fi passwords

App passwords

Website passwords

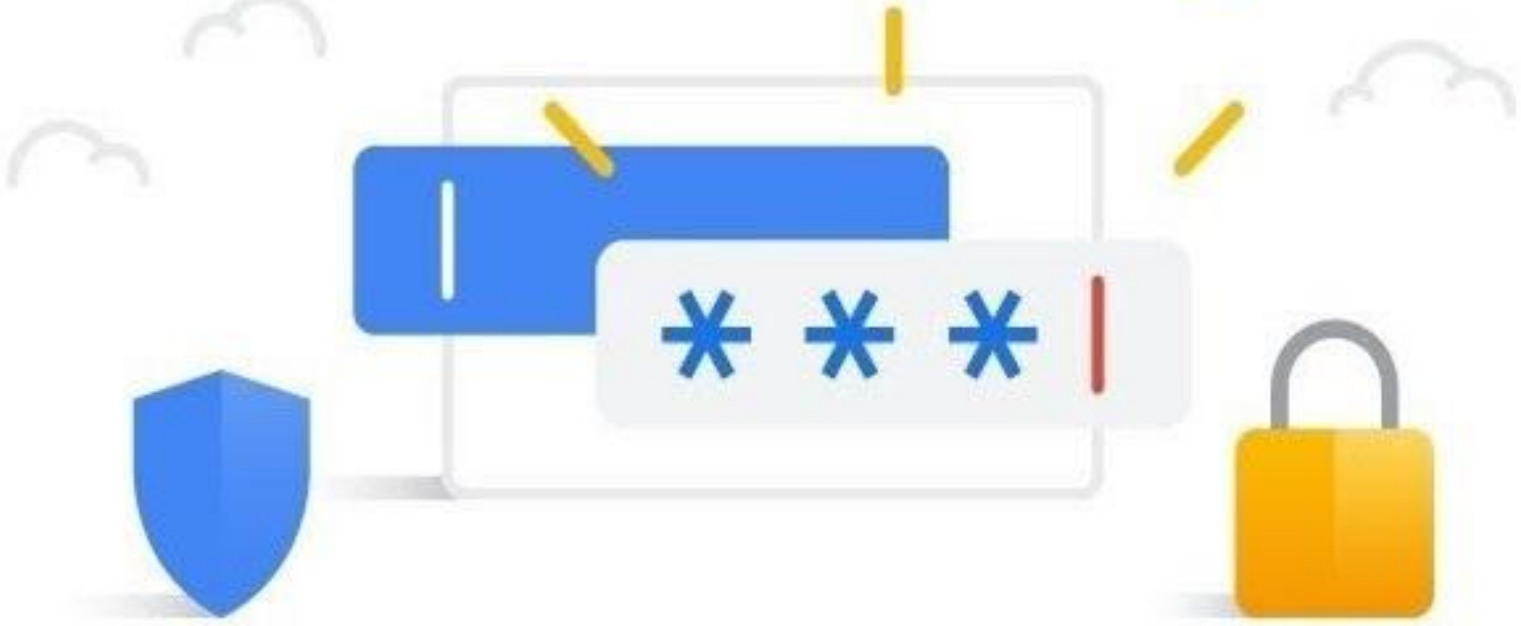
Verification codes

Shared passwords

Sign in with Apple

Passkeys

Google Password Manager



KeePass

Sticky Password

Enpass

bitwarden

1Password

Best Password Managers

LastPass •••|

Google Password Manager

DASHLANE

KEEPER

RememBear

Google Drive

INTERNXT

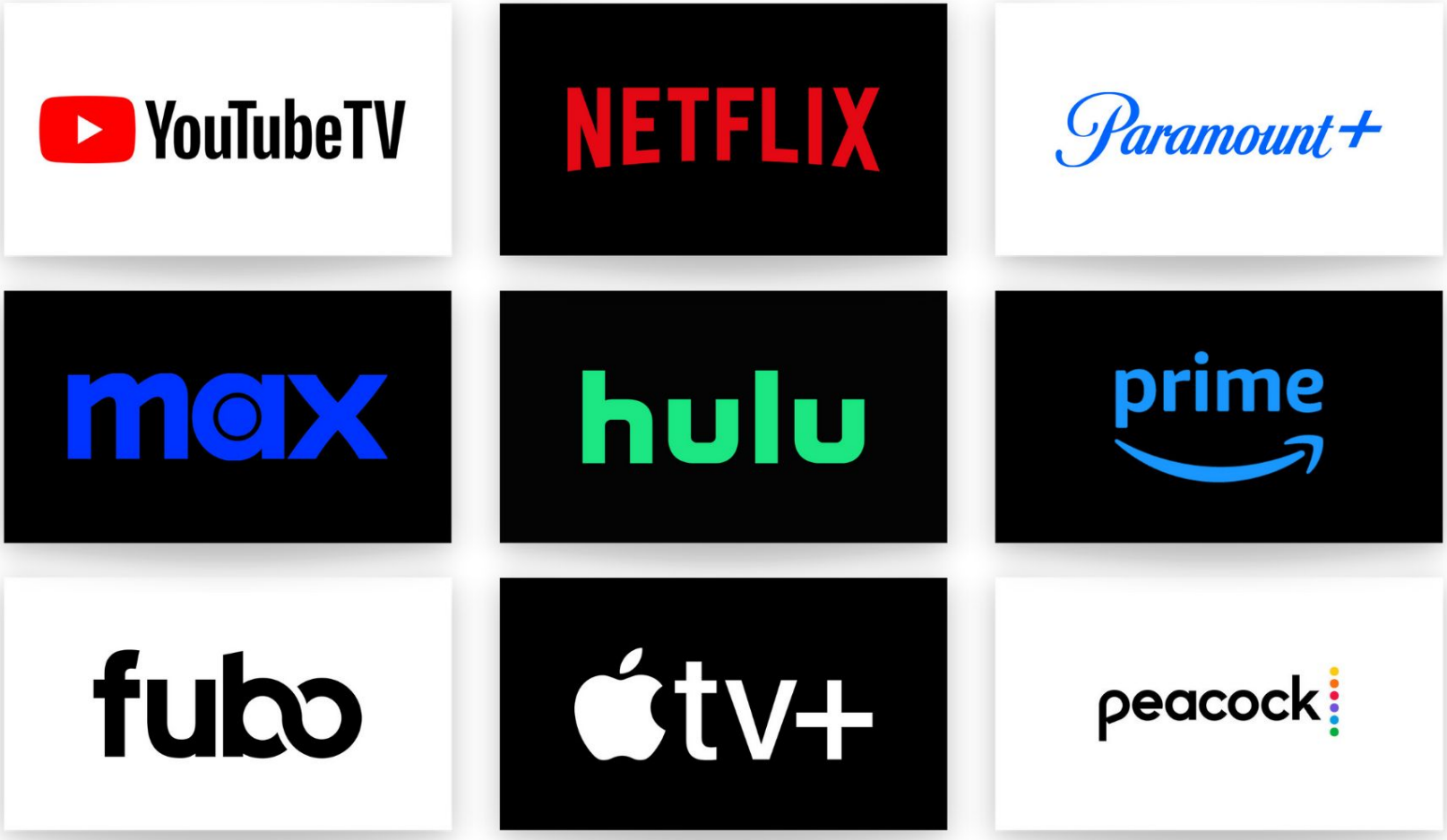
Dropbox

OneDrive

IDrive®

Microsoft 365
O
W
X
P
N
S
T

iCloud


YouTubeTV
NETFLIX
Paramount+
max
hulu
prime
fubo
tv+
peacock

Walmart+

Adobe Creative Cloud

instacart

DOORDASH

Uber

Life Improvements

1. Electronic Toothbrush
2. Reminders
3. Lid Opener
4. Mug Warmer
5. Bidet
6. Smart Speaker