

USD ITS | FA26 New Faculty Computer Replacement Program (CRP) Catalog

Prepared by: Client Support Services

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OVERVIEW

Congratulations, and welcome to USD. ITS is pleased to offer several different computer configurations and accessories to ensure your success at USD.

Please refer to this catalog to select a computer and submit your request. If you have any further questions, please send your inquiry to facultysupport@sandiego.edu.

Warmest Regards-

Shahra Meshkaty

Sr. Director of Client Support Services.

University of San Diego,

Information Technology Services

What is the Computer Replacement Program (CRP)?

The Computer Replacement Program (CRP) at USD, implemented by ITS, ensures a robust computing environment for faculty and staff, supporting teaching and learning initiatives. Every full-time, benefit-based employee qualifies for one of our standard models. Our current replacement cycle is every 5 years at no cost to the department for a "**Performance Plus**" model.

Requests for models above the standard require budgetary approval (Worktags) to cover the difference.

ITS oversees the procurement, installation, and management of technology devices to ensure compatibility with USD systems and applications.

By procuring a CRP computer, users gain access to university-licensed applications installed by ITS. Upgrades, accessories, and additional computers can be procured through ITS but are not covered by CRP funding and require start-up or department funds.

Technology Responsible Use Policy: Users of USD-provided CRP computers agree to comply with the Technology Responsible Use Policy and CRP Guidelines. The guidelines can be accessed at [this link](#).

USD CRP-Eligible Hardware Tiers

To simplify computer shopping, ITS offers three performance tiers for Mac and Windows desktops and laptops.

For the scope of this audience (incoming, full-time, tenure-track, benefits-based faculty), you will be offered Performance Plus or Performance Ultra and compatible accessories. If the Performance tier does not adequately fulfill the needs of faculty members at USD,

- Options that go above the “Performance Plus” tier can be purchased with start-up or department funds. Additional computers may also be purchased by faculty and departments for research or other use cases using start-up or department funds as their NON-CRP.
- A WorkDay tag will need to be provided to ITS at the time that an order that goes beyond is placed.

Computer Standards Performance Tiers

Performance (Not CRP Eligible- Dept. funded)

Use cases, we recommend the following:

- Low-demand scenarios.
 - Student & Adjunct/Departmental Workstations/Laptops
 - Department Computers for general tasks
 - Digital Signage
 - Kiosks
 - Hotel Stations
- Display sold separately (Desktops)
- Not CRP Eligible. Non-CRP (Department/Grant) funding only.

Performance Plus (STANDARD CRP)

Use cases, we recommend the following:

- Moderate-demand scenarios
 - Faculty, Staff, and Admin workstations/laptops
 - Computer Labs
 - Default CRP option

- 24” Display included (Desktops)
- CRP & Non-CRP funded
- *All Performance Plus laptop options must support two external displays. Models that don't (i.e. MacBook Air) are not CRP eligible. ITS will be responsible for one monitor only.*

Performance Ultra (STANDARD CRP + APPROVAL)

Use cases, we recommend the following:

- High-demand scenarios
 - Graphics & Multimedia workflows
 - Data Analytics
 - Artificial Intelligence
 - Other high-performance scenarios
- 27” Display included (Desktops)
- Non-CRP & CRP (w/Budget Approval) funded
- The ultra model is based on approval from the department. An additional cost may apply to the department,

FA26 CRP Catalog | PC Desktop Computers

PC Desktop Computers

Lenovo's desktop computers offer an impressive array of features tailored to meet the demands of academia. With robust processors, ample storage space, and generous memory capacity, these machines effortlessly handle resource-intensive tasks such as data analysis, programming, and multimedia editing.

The sleek and ergonomic designs ensure comfortable usage during extended work sessions. Moreover, Lenovo's commitment to security is exemplified by its use of advanced encryption mechanisms to protect your valuable research and sensitive data. Experience the reliability and efficiency of Lenovo desktops as you navigate the academic landscape and significantly contribute to our university's community.

Performance Plus PC Desktop (CRP Standard)

The All-In-One (AIO) PC solution. With an AIO, the display and CPU are combined into the same body.



Model	ThinkCentre M90a AIO G6
Picture of proposed solution (CPU)	

Picture of proposed solution (Display)	Embedded w/CPU
Display	23.8" Built-in non-touch display
CPU	Intel® Core™ Ultra 5 235 vPro® Processor (E-cores up to 4.40 GHz P-cores up to 5
RAM	16 GB DDR5
Storage	512 GB SSD
Graphics	Integrated Graphics
Display Interface	1x DP, 1xHDMI
Wireless LAN	Yes
External I/O	5x USB-A 3.0, 1x USB-C 3.1

Performance Plus Desktop | \$0.00 Cost to the dept.

Performance Ultra PC Desktop (CRP STANDARD + APPROVAL)

For our power desktop users, such as media professionals, AI researchers, and data scientists, ITS will offer the ThinkCentre P360 Ultra. ITS also includes Lenovo's 27" Pro-level display with this configuration.

Model	ThinkCentre P360 Ultra
Picture of proposed solution (CPU)	 A black, compact mini PC tower with a perforated front panel. The front panel features the 'ThinkStation' logo, a power button, and several ports including USB and audio. The device is shown from a three-quarter perspective against a white background.
Picture of proposed solution (Display)	 A 27-inch wide monitor with a black bezel and a black stand. The screen displays a 3D architectural rendering of a modern building with a prominent red facade and white structural elements. The monitor is shown from a slightly elevated angle.

Display	ThinkVision P27h-20 27-inch 16:9 QHD Monitor with USB Type-C
CPU	12th Generation Intel® Core™ i7-12700 vPro® Processor (E-cores up to 3.60 GHz, P-cores up to 4.80 GHz)
RAM	64 GB DDR5-4000MHz
Storage	2 TB SSD
Graphics	NVIDIA® T400 4GB GDDR6
Display Interface	4x Mini DP, 4x DP
Wireless LAN	Yes
External I/O	5x USB-A 3.0, 2x USB-C Thunderbolt 4

Performance Ultra Desktop | \$899.00 Cost to the dept.

FA26 CRP Catalog | macOS Desktop Computers

MacOS Desktop Computers

In USD's dynamic landscape, macOS desktop computers have become invaluable assets for faculty. With their sleek design, seamless integration, and powerful performance, these cutting-edge machines inspire creativity and foster productivity in the academic environment. Equipped with advanced software and intuitive user interfaces, macOS desktops empower users to unleash their full potential, enabling them to engage in research, multimedia production, and collaborative projects with ease.

Performance Plus macOS Desktop (CRP STANDARD)

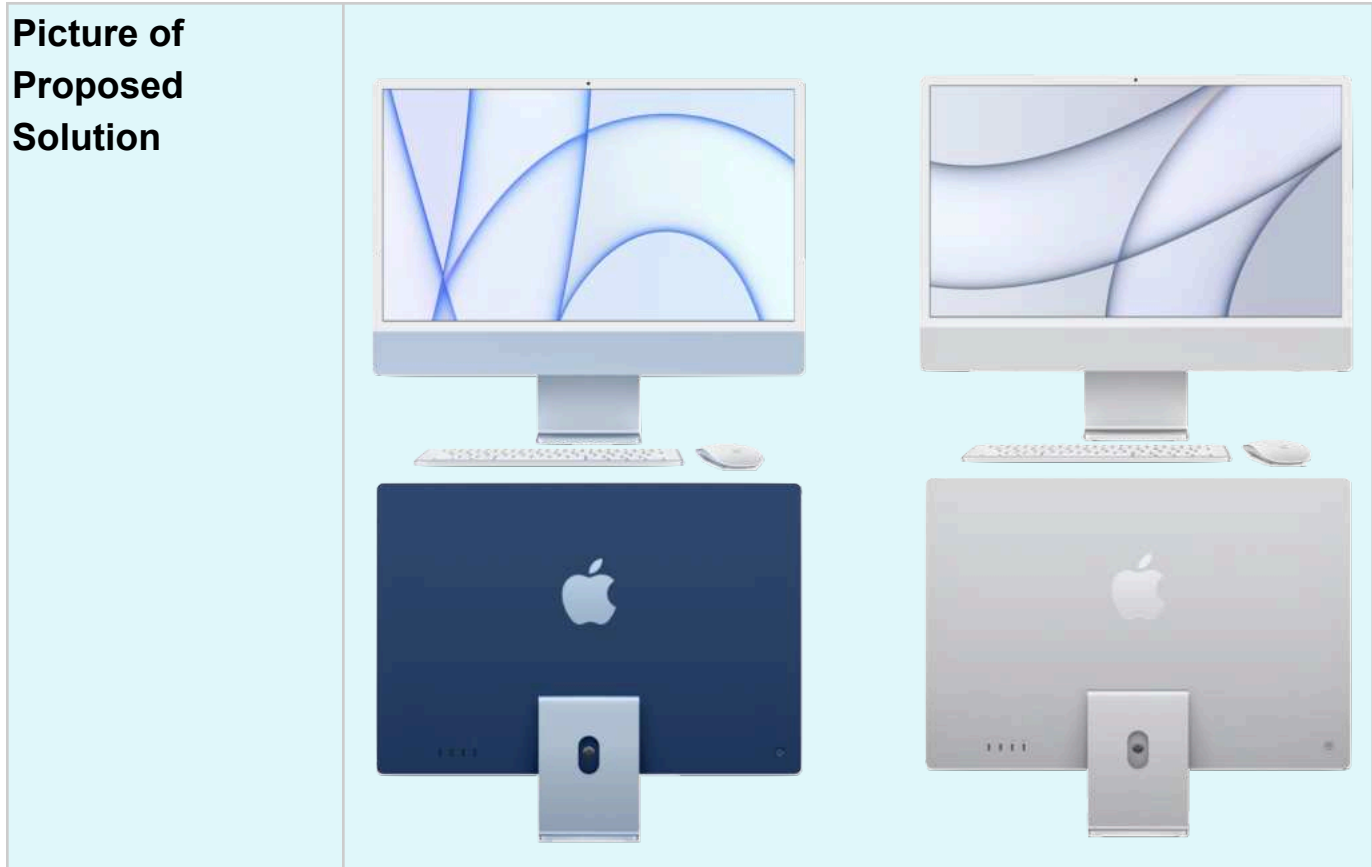
USD iMacs are available in Alcala White (default option) or LIMITED EDITION Founders Blue. Please specify your color preference in the Additional Notes.

***At this time, there is ZERO Windows support on M-Series (aka "Apple Silicon") Macs. Until an "Enterprise Solution" for deploying and managing Windows on Mac becomes available, we highly recommend going with the "Performance Plus PC Desktop" if you have workflows dependent on one or more Windows-based apps.**

****ITS will NOT accept swaps or returns of macOS computers if Windows support is needed, but the above warning is not heeded.**

***** iMacs allow only one external display to be connected.** If you require a triple-display setup, please look at the Performance Ultra Mac Desktop.

	Performance Plus
Use Cases	Faculty, Staff, and Admin workstations. Computer Labs & Default CRP option.
Make	Apple
Model	iMac (2024)



Picture of Proposed Solution	
Display	24" Built-in
CPU	M5
RAM	24 GB
<i>Memory Bandwidth</i>	120 GB/s
Storage	512 GB
Graphics	7-Core GPU
Display Interface	1x USB-C
External I/O	4x Thunderbolt 4 USB-C
	\$0.00 Cost to the dept.


FA26 CRP Catalog | PC Laptop Computers

PC Laptop Computers

In working with Lenovo, ITS has included Performance, Performance Plus, Performance Plus Air, and Performance Ultra PC laptop options to serve the university's various computing needs, as opposed to a “one size fits all” laptop policy.

Performance Plus PC Laptop (STANDARD CRP)

- This configuration will be the CRP-Funded default option for PC laptops.
- This can also be purchased using Non-CRP Funds.
- Additionally, this will also be the standard for PC laptop carts.


Model	Think Pad T14 G4 Intel (14")
Picture of Proposed Solution	
Display	14" WUXGA (1920 x 1200), IPS, Anti-Glare, Touch, 45%NTSC, 300 nits, Narrow Bezel
CPU	13th Generation Intel® Core™ i5-1335U Processor (E-cores up to 3.40 GHz P-cores up to 4.60 GHz)
RAM	16 GB DDR4-3200MHz (Soldered)
Storage	512 GB SSD M.2 2280 PCIe TLC Opal
Graphics	Intel UHD

Display Interface	1x HDMI
External I/O	2x USB-A 3.0, 2x USB-C 3.1
Battery	4-Cell
Weight (Lbs)	2.73

Performance Plus PC Laptop | \$0.00 Cost to the dept.

Performance Plus Air PC Laptop


Lenovo's X1 Carbon is the lightest laptop ITS has ever offered to the USD campus community. Weighing 2.48 pounds.


Model	ThinkPad X1 Carbon Gen 11 Intel (14")
Picture of Proposed Solution	
Display	14" WUXGA (1920 x 1200), IPS, Anti-Glare, Touch, 100% sRGB, 400 nits, Narrow Bezel
CPU	13th Generation Intel® Core™ i5-1335U Processor
RAM	16 GB LPDDR5-6400MHz (Soldered)
Storage	512 GB SSD M.2 2280 PCIe Gen4 TLC Opal
Graphics	Integrated Intel® Iris® Xe Graphics
Display Interface	1x HDMI
External I/O	2x USB-A 3.0, 2x USB-C 3.1
Battery	4-Cell
Weight (Lbs)	2.48

Performance Plus Air PC Laptop | \$407.00 Cost to the dept.

Performance Ultra PC Laptop

With its NVIDIA® T1200 Graphics Processing Unit (GPU), ThinkPad P16 G2 Intel (16") - Mobile Workstation is ready and eager to edit 4k video, create complex & stunning graphics, perform fast analytics on large data sets and serve as a platform for Artificial Intelligence (AI) development.

Model	ThinkPad P16s G6 Intel (16") - Mobile Workstation
Picture of Proposed Solution	
Display	16" WQUXGA (3840 x 2400), IPS, Anti-Glare, Touch, 400 nits, Narrow Bezel, IPS, Anti-Glare, Non-Touch, HDR, 100% RGB, 600nits, 60Hz, LED Backlight
CPU	13th Gen Intel® Corei7-13700HX CPU (P-cores up to 4.70 GHz)
RAM	32 GB DDR5-4800MHz (SODIMM) - (2 x 16 GB)
Storage	1 TB SSD M.2 2280 PCIe TLC Opal
Graphics	NVIDIA® RTX™ A1000 Laptop GPU 6GB GDDR6

Model	ThinkPad P16s G6 Intel (16") - Mobile Workstation
Picture of Proposed Solution	
Display	16" WQUXGA (3840 x 2400), IPS, Anti-Glare, Touch, 400 nits, Narrow Bezel, IPS, Anti-Glare, Non-Touch, HDR, 100% RGB, 600nits, 60Hz, LED Backlight
CPU	13th Gen Intel® Corei7-13700HX CPU (P-cores up to 4.70 GHz)
Display Interface	1x HDMI
External I/O	2x USB-A 3.0, 1X USB-C 3.1
Battery	6-Cell

Performance Ultra PC Laptop | \$723.00 cost to the department.

FA26 CRP Catalog | macOS Laptop Computers

MacOS Laptop Computers

Performance Plus Mac Laptop (STANDARD)

Supercharged by the M4 Pro, the MacBook Pro takes its power and efficiency further than ever. It delivers exceptional performance whether it's plugged in or not, and now has an even longer battery life. Combined with a stunning Liquid Retina XDR display and all the ports you need, this is a pro laptop that is without equals.

***At this time, there is ZERO Windows support on M-Series (aka "Apple Silicon) Macs. Until an "Enterprise Solution" for deploying and managing Windows on Mac becomes available, we highly recommend using the "Performance Plus PC Laptop" if your workflows depend on one or more Windows-based apps.**

*****ITS will not accept swaps or returns of macOS computers if Windows support is needed but the above warning is not heeded.***

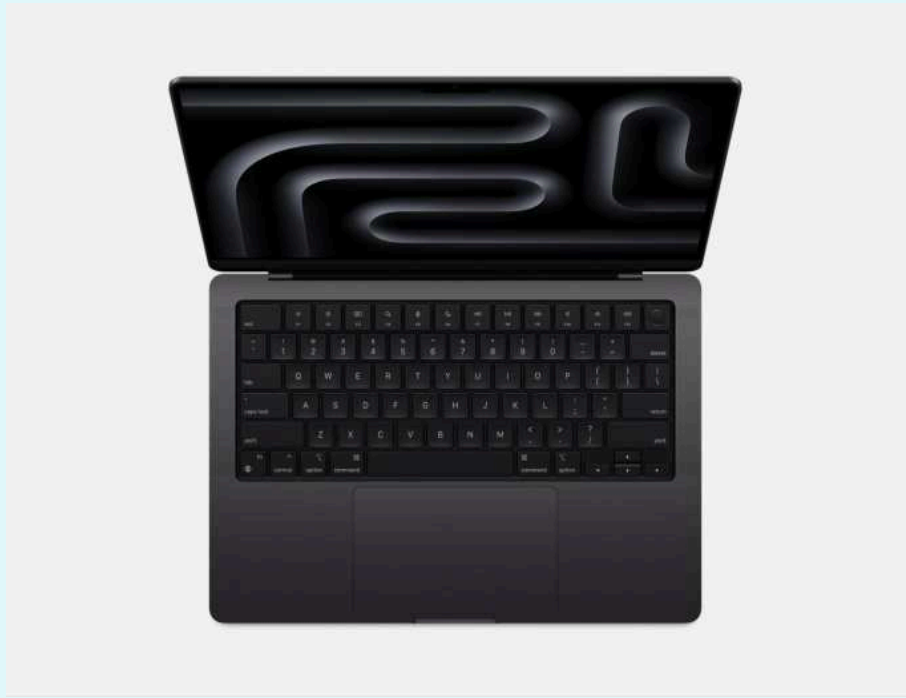
Make	Apple
Model	14" MacBook
Picture	
Display	14.2-inch XDR
CPU	M4

RAM	24 GB
Storage	512 GB
Graphics	18-Core GPU
Display Interface	1x HDMI
External I/O	4x Thunderbolt 4 USB-C

Performance Plus Mac Laptop | \$0.00 Cost to the dept.

Performance Ultra Mac Laptop

	Performance Ultra
Make	Apple

Model	14" MacBook Pro
Picture	
Display	14.2-inch XDR
CPU	M4 Max
RAM	36 GB
Storage	1 TB
Graphics	30-Core GPU
Display Interface	1x HDMI
External I/O	4x Thunderbolt 4 USB-C

Performance Ultra Mac Laptop | \$1,293 Cost to the dept.

FA26 CRP Catalog | Monitors & Docking Stations

Monitors & Docking Stations

24" Standard Display

ThinkVision E24q-20 23.8-inch QHD Monitor



- 23.8" 2560x1440 QHD IPS WLED
- 1x DP, 1xHDMI Ports
- **\$237.00**

27" Pro Display

ThinkVision P27h-20 27-inch 16:9 QHD Monitor with USB Type-C



- 27.0" 2560 x 1440 QHD IPS WLED
- 1x DP (in), 1x DP (out), 1x HDMI, 1x USB-C
- **\$437.00**

31" 4K Premium Display

T32p-20 31.5 inch 4K UHD USB-C HDMI Monitor

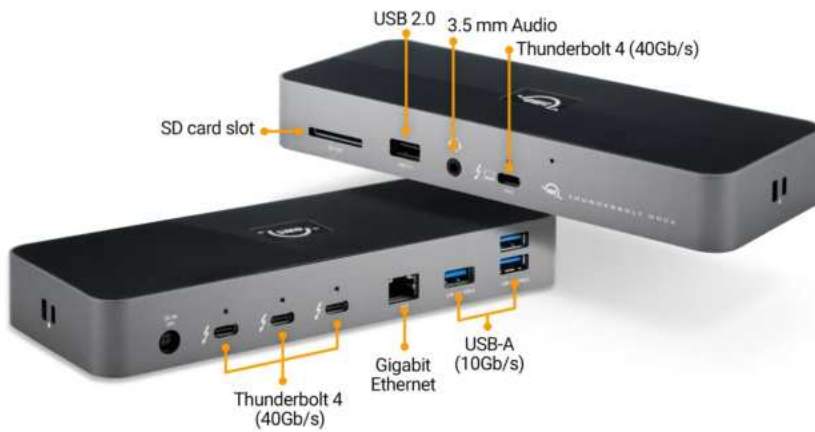


- 31.5" 3840 x 2160 IPS WLED
- 1x DP, 1x HDMI, 1xUSB-C Ports
- **\$519.00**



- OWC USB-C Travel Dock-E
- Suitable for use with up to one external display
- **\$64.79**

Thunderbolt Dock (macOS)



- OWC Thunderbolt Dock
- Suitable for up to Two External Displays
- **\$248.39**