# CalSAWS Hardware Specification and Recommendations

The following defines the minimum and recommended hardware specifications for various items being used with the CalSAWS application.  In cases where a device will be implemented under the managed device model, whether for a managed county or a specific lobby device, the recommended device models are required.

| Workstation Minimum Requirements** | |
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| **Item** | Minimum Requirement ** |
| Processor | Intel Core i5 or equivalent<br>**4.0 gigahertz (GHz)** or faster with 10 or more cores on a **compatible 64-bit processor** or System on a Chip (SoC). |
| RAM | 16 GB minimum, 32 GB recommended |
| Storage | 256GB (SSD Recommended and Single Drive Required) |
| Operating System | Windows 11 Enterprise*** |
| Browser | Edge or Chrome |
| Anti-Virus | Must be enterprise-level with updated definitions |
| Encryption**** | Full Disk Encryption |

**HP is the required manufacturer for **Managed County** workstations.

***Windows 11 Release 23H2 is the current Windows 11 Enterprise release for Managed County machines, most new machines ship with Windows 11 Professional. For licensing, Microsoft 365 licenses may cover the entitlement for Windows Enterprise, verify if this applies per user. To purchase, there is an upgrade with 3 years of software assurance for Enterprise.

****Encryption requirements apply to Non-managed Counties, as Managed County computers are encrypted as part of the standard policy applied with the image.

| Recommended Hardware | |
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| Laptop Options | |
| **HP Dragonfly 13.5" G4 Notebook** (**Display:** 13.5" WUXGA+ (1920x1280) Low Blue Light 400nit, Touchscreen, **Processor:** with Intel Core i5 or i7 **Graphics:** Intel Iris Xe, **Storage:** *for OneDrive users*, suggested onboard storage single 256 GB PCIe NVMe SSD drives, *for non-cloud storage users*, minimum 512 GB PCIe NVMe SSD, and **Memory:** soldered down, non-upgradeable, 32 GB | Laptop |
| **HP EliteBook 860 G11**(**Display:** 16" diagonal WUXGA LED UWVA Anti-Glare for Webcam (1920x1200)(300 Nits) **Processor:** with Intel Core Ultra 5 or 7 processor **Graphics:** Integrated: Intel Arc Graphics or Intel Graphics  **Storage:** *for OneDrive users*, suggested onboard storage 256 GB PCIe NVMe M.2 SSD, *for non-cloud storage users*, minimum 512 GB PCIe NVMe M.2 SSD, and **Memory:** 32 GB DDR5-5600 MT/s (2 x 16 GB) | Laptop |
| Peripherals | |
| HP EliteDisplay E24i G4 WUXGA - 24IN Monitor 1920X1200 | Monitor |
| HP USB-C G5 Dock (Part # 5YH26AV#ABA) | Docking Station |
| Fujitsu fi-8170 Scanner with Pixel Driver | Scanner |
| Ricoh ScanAid Kit Part Number: CG01000-302801 (Recommended for fi-8000 series) | Scanner Maintenance Kit |
| Ricoh ScanAid Kit Part Number: CG01000-280401 (Recommended for fi-7000 series) | Scanner Maintenance Kit |
| Canon DR-M200 Scanner with Pixel or Twain Driver | Scanner |
| Contact Center Headsets (Suggested Models) | |
| Jabra Evolve 65 (Wireless) | |
| Jabra Evolve2 65 (Wireless) | |

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| Jabra Evolve 40 (Wired) | |
| Jabra Evolve2 40 (Wired) | |
| Poly Blackwire 5210 (USB) (Mono) | |
| Poly Blackwire 5220 (USB) (Stereo) | |
| Poly Blackwire 3310 (USB) (Mono) | |
| Poly Blackwire 3320 (USB) (Stereo) | |

**Lobby Kiosk**

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| Meridian Kiosk (Part #2902-CCC) | Kiosk |
| HP Elite Mini 800 G9 Desktop PC (Intel Core i5-13500T up to 4.6 GHz with Intel® Turbo Boost Technology, 24 MB L3 cache, 14 cores, 20 threads, 16 GB memory, 512 GB SSD storage) | Workstation |
| TPK 22-inch Touch-Projected Capacitive Touchscreen Monitor with Privacy Filter (with monitor bracket from Meridian) | Monitor |

Boca Lemur-Z Kiosk Printer with Roll Holder

| Manufacturer | Part # | Part Type | |
|---|---|---|---|
| Boca | Lemur-Z | Printer | Receipt Printer |
| Boca | 424051-U | Receipt roll holder | |
| Boca | 424069-Z-8 | 80mm Center Infeed Guide | |
| Boca | 424077 | Base mounting Zebra adapter | |
| NA | NA | Standard USB Cable (USB-B) | |

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|---|---|
| Zebra Z-Perform Receipt Paper (3.125" x 645', 8 rolls per case) (Zebra Part #10007008) | Receipt Printer Paper |
| MagTek Dynamag Magnetic Stripe/Card Reader (Part#21073145) | Card Reader |
| Code Reader 1100 Barcode Reader | 2D Barcode Reader |
| Fujitsu fi-8170 Scanner (and scanner cover from Meridian) | Scanner |
| Windows 11 Enterprise | OS License |
| Microsoft Intune device P1 GCC license (Part # AAD-38081) | Device Management License (for Lobby Kiosk) |
| Qualys VMDR, Policy Compliance, and EDR | Anti-Virus License |

**Lobby Tablet**

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| Samsung Galaxy Tab (Must have Samsung Knox) | Tablet |
| Heavy Duty Shockproof Case w/ Carrying Strap (Recommended) | Case |
| Zebra ZQ511 (ZQ51-BUE0000-00) | Receipt Printer |
| Zebra ZQ511 Charging Cable (P1031365-024) | Printer Accessory |
| Zebra ZQ511 Shoulder Strap (P1051921) | Printer Accessory |
| Additional Zebra Printer Battery 3250 mAh (BTRY-MPP-34MA1-01) | Printer Accessory |
| External Zebra Battery Charger (SAC-MPP-1BCHGUS1-01) | Printer Accessory |
| Zebra Receipt Paper (3" x 64') (Zebra Part #: 10023347) | Receipt Printer Paper |

**Lobby Reception Receipt Printer**

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| Zebra ZD421d (ZD4A043-D01E00EZ) | Receipt Printer |
| Zebra ZD421d/ZD621d Cutter Upgrade Kit (P1112640-030) | Printer Accessory |
| Zebra Receipt Paper (4" x 574') (Zebra Part #: 10010058) | Receipt Printer Paper |

**Lobby Monitor**

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|---|---|
| HP Elite Small Form Factor 800 G9 PC (Intel Core i3-12100 Processor (3.3 GHz, up to 4.3 GHz w/Boost, 12 MB cache, 4 core, 256 GB SSD storage) | Workstation |