

Olivehurst Public Utility District



Agenda Item Staff Report

Meeting Date: 10/21

Item description/summary:

NEW TABLETS FOR INSPECTION ON-SITE PURPOSES: It has come to my attention, OPUD is currently monitoring multiple different construction sites and don't have a way to quickly bring up plans to review what is exactly happening on site without unfolding and caring multiple plans with them at all times. On average, staff inspectors can visit over 10 different sites across all of the service district and in most cases, there in different locations with no reliable communications between plans and documents. In my few weeks on staff, I've seen staff having to go back to the office to capture plans to review when discussing with contractors or having to look over contractor shoulder to see what their plans show. By buying a minimum of two tablets, it allows myself and the site inspectors (Dan Nielsen and Jon Phillips) to bring up plans within a tablet, have it connected to our system Database and bring up any site plans at anytime, mark up any deficiencies we notice on site, make comments regarding what were seeing on site, take notes, review plans, take pictures and write directly on them while its fresh in our memory, etc. The portable smart tablets are a very important resource and tool that many inspectors/engineers use during construction phase and implementing compliance. I have conducted research and have found the best option that will allow us to better serve during construction review and streamline the process and make it more efficient as possible.

- 1.) Galaxy Tab Active Pro 10.1" 64GB (Unlocked) - \$580 each (will need 2 total)**

At a minimum, the selected device must have the following programs accessibility/compatibility within the device:

1. Plan Grid - \$59 per month (locked in a year) or \$69 per month (month-to-month) – per user
2. Adobe - \$15.70 per month
3. Office 365 - \$20 per month

Fiscal Analysis:

Employee Feedback

Sample Motion:

Consider purchase of two (2) tablet devices for construction administration and inspection purposes.

Prepared by: Swarnjit Boyal, Public Work Engineer

**ATTACHMENT 1 - Galaxy Tab Active Pro 10.1" 64GB
(Unlocked)**



Go fearlessly. Work seamlessly.

The rugged Galaxy Tab Active Pro. Bringing seamless workflow to industrial environments.

Presenting the newest member of our rugged team. The MIL-STD-810G-certified¹ and IP68-rated² Galaxy Tab Active Pro, along with the IP68-rated² S Pen, mean your team will be productive regardless of the environment or weather. The Galaxy Tab Active Pro features a large 10.1" screen, for easier visibility and functionality, even with gloved hands.³ Samsung DeX⁴ lets you create a desktop experience no matter where you are. And with LTE, your team will always be connected.



Key Features



Purpose Built

Get more done, effortlessly. With the MIL-STD-810G¹ and IP68-rated² Tab Active Pro, plus IP68-rated² S Pen, you can work effectively no matter the conditions.

Always in its element. Tackle any situation easily with the field-ready 10.1" Tab Active Pro. With enhanced touch and glove touch capabilities,³ Tab Active Pro will react to you and your conditions, not the other way around.

Power for hours. With up to 15 hours on a full charge⁵, you can create, edit and collaborate all day. And if the job's still not done, simply swap in a fresh battery.



Seamless Workflow

Mobile multi-tasking with Samsung DeX. Samsung DeX⁴ turns the Galaxy Tab Active Pro into a PC that you can carry around easily, with the ability to toggle between apps and stay connected. An ecosystem of third-party peripherals further transform the Tab Active Pro into a powerful desktop-like experience.

Work that doesn't stop. Use the POGO Pin connector to quickly connect and charge, or to easily attach a keyboard or any number of third-party peripherals.

Customize your quick access. With the new programmable button, you can now pick and choose which business applications to instantly access.

Working has never been so easy. The NFC-capable Galaxy Tab Active Pro allows you to access production information in real time, while monitoring and managing team and machine usage all at once. And since it's mPOS-ready,⁶ you can now accept payments without any additional hardware necessary.

Always connected. Wireless data networks are now faster than ever, with LTE ensuring high-speed connectivity all the time. Always working, always connected.



Compliant and Secure

Knox Services mobile security and management. Cloud-based services let you enroll, configure and manage hundreds of devices as if they were one.

Business Services give you complete control. Enterprise Firmware Over-The-Air (E-FOTA) enables remote updates and control over firmware and OS updates.⁷ ProCare delivers mobility technical support, from escalation to development.⁸ And QuickStart gets you quickly managing, configuring and deploying apps.⁹

Defense-grade Knox security. Knox is built from the chip up for superior protection that's easier to manage.¹⁰

Galaxy Tab Active Pro

Galaxy Tab Active Pro	
Part Numbers	SM-T540NZKAXAR (Wi-Fi) SM-T547UZKAXAA (LTE)
Color	Black
Operating System	Android 9 (Pie)
CPU	Qualcomm SDM670
Processor	2 GHz, Octa-Core
Memory (RAM, Speed)	4GB ¹¹
Memory (Internal) / (External MicroSD Capacity)	64GB ¹² / MicroSD (Up to 512GB) ¹³
Display / Display Type	Screen Size 10.1" / TFT
Display Resolution	WUXGA (1920 x 1200)
Brightness	550 nits (Outdoor Conditions Only)
Headphone Out	3.5mm
Microphone	Yes
Camera (Back / Front)	13MP Auto Focus with LED Flash / 8MP
Video Recording Resolution	UHD 4K (3840 x 2160) @ 30fps
Video Playing Resolution	UHD 4K (3840 x 2160) @ 30fps
Speaker / Headphones / Microphone	Yes
USB Port	USB 3.1 Type-C
Desktop Experience	Samsung DeX ⁴
Augmented Reality	Google ARCore
Connectivity	Pogo Pin (Charging and USB Signal for Keyboard)
Stylus	Integrated S Pen (Water and Dust Resistant, IP68 Rated ⁵)
Interaction	Wet Touch, Glove Mode ⁶
LTE Support	AT&T, Sprint, T-Mobile, Verizon
Wi-Fi	802.11 a/b/g/n/ac 2.4G+5GHz, VHT80
Wi-Fi Direct (Wi-Di)	Yes
Wireless Mirroring	Yes (Smart View)
Active Key	Programmable for Up to Two Apps
Channel Bonding (2.4GHz + 5.0GHz)	Yes
Antenna	Integrated
Bluetooth / Bluetooth Profiles	5.0 / A2DP, AVRCP, DJ, HFP, HID, HOGP, HSP, MAP, OPP, PAN, PBAP
Wired LAN / Wireless LAN	No / No
NFC / GPS	Payment Ready / Yes, with GLONASS
AC Adapter (VAC/Hz, VDC / A)	120W/60Hz
Battery Capacity	7,600mAh, User-Replaceable Battery
Battery Type	Li-Polymer, Adaptive Fast Charging
Battery Life Internet Usage Time	Up to 15 Hours ⁵
Charging Time	200 Minutes (Adaptive Fast Charging)
Audio Codec	MP3, M4A, 3GA, AAC, OGG, OGA, WAV, WMA, AMR, AWB, FLAC, MID, MIDI, XMF, MXMF, IMY, RTTTL, RTX, OTA
Video Codec	MP4, M4V, 3GP, 3G2, WMV, ASF, AVI, FLV, MKV, WEBM
Security	Knox ¹⁰ , Facial Recognition, Fingerprint Reader
Sensors	Accelerometer, Fingerprint, Gyro, Geomagnetic, Hall, RGB Light, Proximity
Ruggedness	IP68 ⁵ (Water and Dust Resistant), Anti-shock (Drop from 1.2m Height with Cover)
Certifications	MIL-STD-810G ¹ , IP68 ⁵ , EPEAT, Energy Star, RoHS
Recycled / Recyclable Packaging	Yes
Standard Warranty	1 Year with extended warranty up to 4 years
Dimensions	6.7" x 9.6" x 0.4" / 170.2mm x 243.5mm x 9.9mm
Weight	1.4 lbs. / 653 g

Device Layout

- | | |
|--------------------------|--|
| 1. Power | 8. Home Key (Fingerprint Recognition Sensor) |
| 2. Volume | 9. Back Key |
| 3. Hot Key | 10. Rear Camera |
| 4. Camera 13MP A/F + 8MP | 11. Flash |
| 5. S Pen | 12. Pogo Pins |
| 6. Slot for S-Pen | |
| 7. Recents Key | |



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samsung.com/business insights.samsung.com samsung.com/tabactive

Product Support

1-866-SAM4BIZ

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¹This device passed military specification (MIL-STD-810G) testing against a subset of 21 specific environmental conditions, including temperature, dust, shock/vibration, and low pressure/high altitude. Device may not perform as shown in all extreme conditions. See user manual. ²Water-resistant in up to 5 feet of water for up to 30 minutes. ³Enhanced touch and glove touch capabilities function with thin gloves. May not function with all gloves. ⁴DeX can be activated via Samsung Galaxy Tab Active Pro with third party accessories, sold separately. Accessories and monitor sold separately. Samsung DeX using an HDMI adapter, multi-port adapter or cable is available on Galaxy Tab Active Pro. Using a genuine Samsung HDMI adapter or cable qualified for Samsung DeX is recommended. Cable is sold separately and some functions may differ from DeX Pad. Certain apps may not run or may require license (for purchase) on Samsung DeX. ⁵Based on average battery life under typical usage conditions. Average expected performance based on typical use. Actual battery life depends on factors such as network, features selected, frequency of calls, and voice, data, and other application-usage patterns. Results may vary. ⁶mPOS functions as intended with NFC-enabled contactless credit cards only, and compatible back-end processing systems. ⁷E-FOTA services available for an additional fee. Detailed packages are available at samsung.com/us/business/solutions/samsungknox/mobile-security-solutions/samsung-e-fota. ⁸Plans are sold based on MSRP or price end-user paid, whichever is less. Total duration includes one year of standard limited warranty. Labor-only costs for mechanical and electrical breakdown are covered from date of purchase. Both parts and labor costs are covered after the manufacturer's warranty expires through the plan term. ⁹Samsung QuickStart Services are limited to configurations of fewer than 500 devices and a maximum of 8 user/administration groups. If you have specific requirements beyond those provided by QuickStart Services, including integration with third-party solutions, please contact your partner or your carrier, or email samsungbusinessservices@sea.samsung.com. ¹⁰For the full list of Knox certifications, please visit samsungknox.com. ¹¹Total amount of available memory may be less based on configuration. ¹²Portion of memory occupied by existing content. ¹³MicroSD card sold separately.