

# Ruggedized 2022

**SAMSUNG**  
**S-ACADEMY**  
**B2B**

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# 1. Introduction

## Business mobility on the rise

Traditional fixed workplaces are on the decline and are increasingly being replaced by smartphones, laptops and tablets. This method allows employees to work more location-independently than before. This is good for the productivity and accessibility of the employees and for the continuity of the organization.

This mobility trend is no longer reserved for the office environment. The medical sector and (heavy) industry are increasingly opting for mobile devices. Ideally, these devices should be so robust that they can be used without any problems in these challenging working environments.

## Powerful performance

Samsung responds to this demand with an extensive ruggedized portfolio which include smartphones tablets. These ruggedized devices are made of extra robust materials. The chance of damage due to a fall or exposure to moisture is therefore greatly reduced. This robustness is demonstrated by the IP68 and a MIL-STD-810H certification.

The powerful specifications ensure that productivity and performance do not have to be lacking. A third characteristic of the devices is the ease of use; so they can be easily operated with gloves and wet hands. This is a big plus in environments such as healthcare, construction sites and (heavy) industry.

## Overview ruggedized portfolio 2022

The ruggedized portfolio 2022 consists of smartphones and tablets. The following devices are part of the portfolio:

- Samsung Galaxy Tab Active4 Pro
- Samsung Galaxy Tab Active3
- Samsung Galaxy XCover6 Pro
- Samsung Galaxy XCover 5

## Features of ruggedized portfolio

- Extra strong materials which makes the devices very robust
- More productive thanks to powerful specifications
- Long battery life and replaceable battery
- Ease of use due to possibility of usage with gloves and wet hands
- Complete portfolio is available as Enterprise Edition
- Increased added value due to higher productivity, accessibility and continuity

## Complete workplace experience with Samsung DeX

Apart from the Samsung Galaxy XCover 5, the three other ruggedized devices are equipped with Samsung DeX. With this, the device can be used in desktop mode or be used as a touch- and trackpad. Furthermore, there is a possibility to connect an external keyboard and/or external mouse. This creates a complete solution that combines the strengths of the mobile and fixed workplace.

## 2. Ruggedized devices as Enterprise Edition

### Business editions of rugged devices

The ruggedized devices in the Enterprise Edition portfolio offer even more benefits. Organizations benefit from multi-year updates and extensive management options via the Samsung management solution Knox Suite, which can be used free of charge for one year when choosing one of the EE devices. This means that the devices are secure and up to date for a longer period of time.

### Functional and secure thanks to multi-year updates

Enterprise Edition devices are provided with security and firmware updates for at least five years after purchase. These multi-year updates and extensive management options extend the life of the devices, leading to a favorable total cost of ownership (TCO) and a responsible use of IT budgets.

### Simple management via Knox Suite

All Enterprise Edition devices come with a free year of Knox Suite. This is a user-friendly management solution that brings the most important solutions from Samsung Knox together, such as the extensive monitoring tool Knox Asset Intelligence.

With Knox Suite it is possible to manage and secure devices to a large extent. Settings, hardware functionalities, business settings, connections, security and the device interface are fully adjustable and customizable. The functionality of the devices is therefore always in line with the wishes and policy of the organization. This makes it easy to regulate device usage, ensuring productivity, functionality and safety.



### Devices as a single purpose device

Knox Manage is part of the Knox Suite with which devices can also be used for specific, single purposes. This is possible by setting up a kiosk mode: a closed device environment that severely limits user options. Single purpose devices are very popular in environments such as healthcare and industry. They are often used for diagnostics, for example during excavation work, on construction sites and in hospitals. Due to the limited functionality, the intended use and safety of the devices are guaranteed. This makes it a major contribution to productivity and continuity.

**Important:** Limited device functionality means that devices can only be used for specific tasks. For example, tablets can be used in hospitals to monitor patient status. Limited device use can guarantee performance and data security, which contributes to the continuity of processes.

## Testing and rolling out firmware updates

Regular firmware updates keep the devices functional and secure. But to do this, it is required that the updates do not cause conflicts with the existing company apps. This can be tested in advance with Knox E-FOTA, also part of the Knox Suite. Administrators have the option to test the update in a closed environment. After a successful test, the update can be rolled out simultaneously or in phases to all devices. The advantage of this is that firmware and apps always work together. All devices can also be easily and simultaneously provided with the same firmware update. This leads to standardization, which further simplifies management.



## Push-to-talk with Teams integration

Colleagues who want to be in contact with each other throughout the day can benefit from the walkie-talkie functionality. You can find this on all ruggedized devices. The devices have a programmable button called the XCover Key. This can be used for push-to-talk functionality. Press and hold the XCover Key and you can communicate with colleagues more easily and quickly.

Colleagues can keep in touch with each other via the Walkie Talkie app in Microsoft Teams. The sound only comes through when the XCover Key is pressed, so there is no overlap between other speakers. Everyone in the conversation remains reachable, without users having to call others individually and without disturbing background noise.

## Knox Capture

Scanning barcodes is a part of business processes in many industries. The Samsung Knox solution Knox Capture simplifies this process. This application provides the business smartphone or tablet with scanning functionality. This reduces the number of devices on the work floor, which is good for ease of use and the reduction of (additional) costs. Knox Capture can easily be linked to existing ERP systems and can be fully configured according to your wishes.

## 3. Benefits for the organization

### Easy to focus on mobility

With the devices from the ruggedized portfolio, organizations have full-fledged mobile solutions for environments with an increased risk. They no longer have to make concessions by using regular devices, which can easily be damaged in these environments. With the ruggedized portfolio, organizations can easily apply mobility and enjoy the benefits for a longer period.

### Long service life and lower replacement demand

The robust design and powerful hardware ensure organizations a low risk of damage and great ease of use. The devices can therefore be used optimally for a longer period of time without any problems. The demand for replacement is also much lower. As an Enterprise Edition, the possibilities are even more extensive. By opting for the ruggedized portfolio, organizations design their mobile environment to be future-proof and cost-efficient.

### Guaranteeing productivity

The device operation is also an important part of the user experience. The ruggedized devices from Samsung therefore offer a lot of ease of use. This means that they can also be operated with gloves and wet hands. This is ideal for use in healthcare and outdoor environments. As a result, work can continue without delay, which benefits the productivity and continuity of processes.

### Reduction of repair costs

Ruggedized devices reduce the chance of damage to the device. And with the lower the risk of damage, the costs for repairs are also significantly lower. This can quickly result in significant savings on an annual basis, as well as time savings for your own IT department regarding repairs. This contributes to the productivity of the employees and that of the organization.

### Favorable total cost of ownership

The characteristics of the ruggedized devices show that they have been developed to last for a long time. This certainly applies when choosing for a device from the Enterprise Edition. The longer the useful life, the more efficient the spending of the IT budget turns out. This quickly leads to a favorable total cost of ownership.

## 4. Benefits for the IT administrator



### More time for strategy

Because repair processes are decreasing in number, the IT department has more time for other things. This allows the department to focus more on research into IT as a strategic business enabler, which enables organizations to see how IT could add value to business processes. This may lead to new opportunities that improve services and make the organization even more future proof.

### Easy management through standardization

The ruggedized portfolio enables organizations to provide the entire organization with high-quality and robust devices from a single supplier. As a result, standardization can be introduced around the mobile workplace.

Standardization makes management much easier, because all devices can be managed in the same way and at the same time. This results in significant time and cost savings, as well as much greater ease of use and efficiency.

### Controlled device usage

With Enterprise Edition versions of ruggedized devices, administrators have much more control over device use. Via Knox Suite, device settings can be adjusted to an in-depth level according to the wishes of the organization. This solution also makes it possible to equip devices with a kiosk mode. For example, a device can only be used in a specific way. Undesired and possibly unsafe behavior by employees is restricted by a kiosk mode. In this way, the IT department has to deal less often with time-consuming support requests.

### Ensuring data security

The data security of ruggedized devices is guaranteed in various ways. All devices are by default equipped with the Knox Platform, which offers strong security at the hardware and software level. The robust design prevents damage, so that data on devices is lost less quickly. As an Enterprise Edition, the devices are provided with security updates for several years that close vulnerabilities. Furthermore, security can be further enhanced through the options offered by Knox Manage and E-FOTA.

### Extensive monitoring tools

Monitoring the devices with the help of Knox Asset Intelligence is a handy tool for every IT administrator. This part of the Knox Suite is a device analytics solution, powered by specialized data tracking. This provides useful operational insights for both IT administrators and business managers. Knox Asset Intelligence provides a clear picture of things like battery consumption, processing connections, application behavior and more. This not only promotes continuity, but also gives the IT manager an overview of the entire fleet.



## 5. Benefits for the employee

### Work more productively

With the ruggedized portfolio, employees in environments with an increased risk of damage have suitable devices. They need to worry less about damage and its impact on productivity. The duration of use of the device is further enhanced because the batteries in the ruggedized smartphones are interchangeable. The extensive Enterprise Editions management options additionally ensure that devices remain up to date. The device functionality can also be easily adjusted, which significantly reduces possible unwanted actions. Employees can therefore continue to work longer and more productive without any problems.

### Work more effectively thanks to mobility

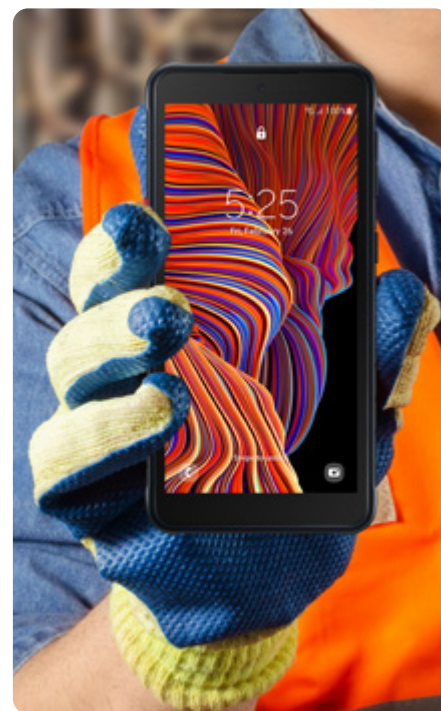
Based on the ruggedized portfolio, organizations can apply mobility in an accessible way. The reduced chance of damage makes it easier to switch to mobile workplaces. This makes it possible for employees to make optimal use of mobile devices. As a result, they can perform their work more easily, efficiently and productively.

### Work safely thanks to strong security

The Knox Platform and the robust design of the ruggedized devices allow employees to work much safer. This keeps devices resistant to threats such as malware, hacks and other forms of cybercrime. Employees need to be a lot less afraid of data breaches. This makes an important contribution to productivity and user experience.

### More ease of use

Samsung devices are developed with ease of use as one of the conditions. The good hardware and the versatile Android operating system make it easy and accessible to work. The possibility to operate devices with gloves and wet hands reinforces this. Thanks to the push-to-talk functionality, colleagues can easily stay in touch with each other throughout the day. In addition, Samsung DeX can be used as a desktop solution on almost every ruggedized device. Tasks started on the road can be completed at a fixed workplace.



## 6. Specifications

### Galaxy Tab Active4 Pro Enterprise Edition

Display:	10,1-inch, WUXGA (1920 x 1200 pixels)
Processor:	6nm octa core
Android:	Android 12
Memory:	6 GB RAM, 128 GB storage – expandable with microSD up to 1 TB
Dimensions:	170,2 mm x 242,9 mm x 10,2 mm, 674 grams
Casing:	Corning Gorilla Glass 5, IP68, MIL-STD-810H
Camera:	Main camera: 13 megapixel with autofocus, front camera: 8 megapixel
Battery:	7600 mAh, exchangeable
Connections:	5G, LTE, Wi-Fi 6 (802.11 a/b/g/n/ac/ax, 2.4GHz + 5GHz, MIMO), Bluetooth v5.2, NFC (eSE)



## Galaxy Tab Active3 Enterprise Edition

Display:	8,0-inch WUXGA TFT 1920 x 1200 pixels
Processor:	2,7-GHz octa core
Android:	Android 12
Memory:	4 GB RAM, 64 GB storage – expandable with microSD up to 1 TB
Dimensions:	126,8 x 213,8 x 9,9 mm, 429 grams
Casing:	IP68, MIL-STD-810H
Camera:	Main camera: 13 megapixel met autofocus, front camera: 5 megapixel
Battery:	5050 mAh, exchangeable
Connections:	Wi-Fi 802.11 a/b/g/n/ac/ax 2.4 + 5.0 GHz, LTE, Wi-Fi Direct, Bluetooth 4.2, GPS



## Galaxy XCover6 Pro Enterprise Edition

Display:	6,6-inch Full HD+ 120 Hz TFT (1080 x 2408 pixels)
Processor:	2,4-GHz Qualcomm Snapdragon 778G
Android:	Android 12
Memory:	6 GB RAM, 128 GB storage – expandable up to 1 TB
Dimensions:	168,8 x 79,9 x 9,9 mm, 235 grams
Casing:	IP68, MIL-STD-810H
Camera:	Main camera: 50 megapixel, front camera: 13 megapixel
Battery:	4050 mAh, exchangeable
Connections:	Wi-Fi 6E, 802.11 a/b/g/n/ac/ax, 5G en LTE Cat. 4



## Galaxy XCover 5 Enterprise Edition

Display:	5,3-inch HD+ TFT (720 x 1480 pixels)
Processor:	2-GHz octa core Exynos 850
Android:	Android 12
Memory:	4 GB RAM, 64 GB storage – expandable up to 1 TB
Dimensions:	147,1 x 71,6 x 9,2 mm, 172 grams
Casing:	IP68, MIL-STD-810H
Camera:	Main camera: 16 megapixel, front camera: 5 megapixel
Battery:	3000 mAh, exchangeable
Connections:	Wi-Fi 802.11 a/b/g/n/ac, LTE Cat. 4

