How does DeX support the business transformation?

Introduction

In a today's hybrid company and an increasingly mobile working environment, leaders must upgrade their employees' workstations.

Among their expectations: more security, flexibility and durability.

In this context, their priority is therefore focused on multitasking and/or versatile equipment capable of assisting their employees in all their needs and recreating their work environment wherever they may be.

In the face of increased competitiveness, this search is also motivated by the desire to reduce the Total Cost of Ownership (TCO) per employee.

For 95% of leaders, cost is an important decision factor regarding their smartphone strategy[1]. This results in significant time and resource savings.

This is the dual challenge that Samsung DeX (Desktop Experience) solution addresses by providing mobile/remote workers with a PC experience from their mobile device.

1.Maximizing Mobile Value – To BYOD or not to BYOD?. Oxford Economics – Samsung, January 2022.

Samsung DeX,
the perfect solution for the new nomads.

Designed to meet the needs of the upcoming hybrid enterprise

Samsung DeX addresses the full range of business transformation issues.

How? By transforming the mobile interface into a PC environment. A single mobile device becomes a computer!

With the DeX function

employees can view their phone screen on an external display – monitor, conference room screen or Smart TV[2] – and even add a USB or Bluetooth keyboard and mouse[3] to use their smartphone as a true desktop computer.

It is the guarantee that users

will be able to find all their business applications and expand their professional uses while benefiting from a smooth an intuitive desktop interface.

How does this work ?

The principle is very simple :

Simply connect your DeX compatible Samsung Galaxy smartphone[4] to an external screen via an HDMI[5] or USB-C cable or WiFi, or with partner accessories such as the MiraBook or MiraDock from Miraxess[6] to find your business applications on a PC-like interface.

MIRAXESS | SAMSUNG

The best choice to decrease your environmental footprint.

Miraxess is a French company that was created in 2015 with the aim of making the smartphone our only computing device/PC. At present, the startup is developing accessories to enrich the Samsung DeX experience and shape up new usability scenarios. The two currently available products are the MiraBook and the MiraDock. The first one turns a Samsung smartphone into a laptop, while the second one acts as a docking station on a desk. Among Miraxess clients we can name police forces in England and Ireland, Thales, Dalkia and Consuel.

Among the benefits of Samsung DeX x MiraBook

Simple and Safe
Completely passive, no need to set it up or secure it.

Sustainable and Eco-designed
-56% carbon impact from production to end of life[7].

Efficient and Sharable
-70% TCO and can be shared between several users without privacy concerns[8].

«Samsung DeX is the revolution that everyone is waiting for but no one sees. In 10 years, the world has moved from laptops to smartphones as its primary work tool, while the latter has seen its power multiplied by 100. Entire professions have been reshaped to mobile work practices. This is the case for the English police force, which is today more agile and efficient, while having drastically reduced IT costs and complexity. Making the smartphone our only personal computer/Transforming our smartphone into our primary computing device is the way forward for the future. »

**Yanis Anteur,
Miraxess' CEO co-founder**

The benefits of the DeX feature

for the future of business.

Thanks to its multiple advantages, the DeX solution is particularly relevant in the digital transformation of industry players, retail, public services, energy or transportation sectors.

1

Time saving

No more wasted time switching between devices! With the DeX function, it only takes a few seconds to recreate your mobile desktop. The intuitive taskbar allows users to access all their desktop tools and files from their phone at any time and from anywhere.

An additional productivity trait is the ability to create a virtual room for client meetings, while simultaneously working independently on the phone, checking emails or taking notes with the S Pen.

2

Financial gains

The transition to a mobile-only workstation reduces the budgetary constraints associated with supporting mobile and desktop infrastructure. Indeed, having only one device means fewer licenses to pay for, but also less hardware to buy, maintain, and upgrade.

As a result, replacing the IT fleet with a set of Samsung devices simplifies the work of IT services, thereby reducing associated costs and enabling them to focus on higher value-added tasks.

3

A security guarantee

Ina VUCA world (Volatile, Uncertain, Complex, Ambiguous), the number one concern with mobile devices is data security (according to 92% of executives[10]). With Samsung Knox Suite, you can deploy, manage and customise your DeX experience with a guaranteed high level security against threats and consequently reducing management hassles. For example, you can wirelessly and remotely fully control and manage your employees' DeX environment, including content distribution and DeX home screen configuration for hundreds of devices[9].

4

Productivity gains

One device for all uses !

Simple and effective presentations
Got a project to present? Just press the DeX button on your Galaxy, connect the device to the meeting room screen, and you are good to go.

Next generation multi-tasking

With Samsung DeX, the user has two screens to do twice as much. For example, on the way to a meeting, the user can add the final touches on their smartphone and then connect to a screen to turn their device into a "full-size" desktop.

He can also take a closer look at his presentation on a large screen while checking his calendar on his smartphone, or take a call while reviewing documents without losing focus.

DeX

Thanks to the 5-year security updates included in some Galaxy models, the company can also **extend the lifespan of its devices, making Samsung DeX a key element of a successful CSR approach.**

All about Samsung DeX

33%

of executives believe that a significant amount of their working time is spent switching between different IT devices[10].

How Thales uses Samsung DeX

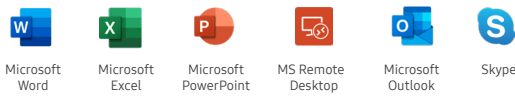## to improve its operational working conditions.

As part of the Industry 4.0 plan launched in 2017, the "Smart Mobility for Industry" initiative aims to support the growing mobility needs of operational employees at the Group's production sites/websites/facilities/locations. The Cholet site, labelled "Industry of the future" in 2020, serves as an incubator for new mobility uses. It was the first industrial company to have announced the deployment of the DeX solution, and to better support its digital transformation, Thales has chosen the Galaxy S21 5G and Galaxy S22 Ultra devices as well as certain devices from the ruggedised Enterprise Edition range certified under common criteria and with their integrated DeX feature[14].

A winning choice that allows it to :

- Have a common operating base for mobile equipment management
- Reduce costs and decrease its environmental footprint
- Remove PCs where they are not required
- Use the Knox platform which, as Vincent Turquet (IS/IT – Global product owner Smart Mobility for Industry) points out, « fully contributes to Thales' higher security needs thus improving users' productivity and performance.»

« Samsung DeX has been a real revolution: with a simple smartphone, our industrial staff is more mobile, and they have a gain in comfort and autonomy. Now, they no longer need a camera that that they need to connect to the computer. The technician takes the photo directly from his mobile device and transfers it with just one click. This saves him between 15 minutes and 1 hour of time that he can devote to higher value-added tasks. Moreover, the power of smartphones allows us to run software such as augmented reality in order to better support our operational staff during training.»

Romain Provost,
Head of Digital Transformation and Industry 4.0

Optimised partner

solutions for DeX.

Samsung DeX also offers the opportunity to enjoy many partner solutions optimised for the DeX feature[11] :
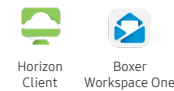
Microsoft

| Microsoft Word | Microsoft Excel | Microsoft PowerPoint | MS Remote Desktop | Microsoft Outlook | Skype |

Google[TM 12]

| Gmail | Google Chrome | VMware Workspace | Youtube |

Visioconférence

| Zoom Cloud Meetings | BlueJeans pour Android | GoToMeeting |

VMWare

| Horizon Client | Boxer Workspace One |

Citrix

| Workspace | Secure Mail | Secure Web |

And also: Adobre Acrobat Reader, Photoshop, Spotify, Amazon Workspaces, BlackBerry Work, TeamViewer, Unprint Print Service, AutoCAD Mobile, etc...13 And our accessory partner Miraxess through its MiraBook and MiraDock product range.

11. Solutions sold separately.

12. Google and Android are registered trademarks of Google LLC.

13. Some applications may not work or require the purchase of a separate license on Samsung DeX.

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14.DeX is only available on certain Enterprise Edition range models.

DeX Club

Samsung has set up the DeX club, which consists of various organisations that use this technology, under the sponsorship of EDF and Thales.

Its purpose is to share the usability of DeX, to anticipate future needs to make this feature evolve according to the expectations of different organisations, and to improve all users' productivity.

A new DeX Club for public services will soon be launched to support them in their digital transformation.

Conclusion

Industry, retail, public services, energy, transportation... Today, all sectors must accelerate their digital transformation or risk losing competitiveness. A transformation that implies upgrading the workstation towards greater efficiency, security and simplicity, without generating additional costs.

Samsung's role in this context is to provide solutions for all employees' needs through a wide range of equipment, as well as to support companies in their transformation. A professional environment where the use of mobile devices is becoming more and more common, particularly with the new mobile native generations.

DeX is emerging as the solution for the future of business. One that allows to reduce its carbon footprint, integrating security by design, and offering employees a truly improved experience in this fast-paced world.

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