

Chapter 1 : Surface Book 3: everything we think we know | T3

Microsoft Surface Book degree front view Meet Surface Book with Performance Base Our most powerful Surface Book, with an Intel® Core™ i7 processor and NVIDIA® GeForce® GTX M 2GB GPU, gives you the increased speed and graphics performance you need for engineering, design, and everything in between.

Surface was the first major initiative by Microsoft to integrate its Windows operating system with its own hardware, and is the first PC designed and distributed solely by Microsoft. Sinofsky initially stated that pricing for the first Surface would be comparable to other ARM devices and pricing for Surface Pro would be comparable to current ultrabooks. Though there was less demand for the 64GB version because of the much smaller available storage capacity, supplies of the lower cost unit were almost as tight. The Surface 2 launched 22 October, alongside the Surface Pro 2, four days after the general availability of Windows 8. Microsoft then announced the redesigned Surface Pro 3 on 20 May, which went on sale on 20 June. The following year, on 30 March, it announced the Surface 3, a more compact version of the Surface Pro 3. Reports suggest this may be a consequence of Intel discontinuing the Broxton iteration of the Atom processor. On 15 May, Microsoft announced the Surface Hub 2, featuring a new rotating hinge and the ability to link multiple Hubs together.

Screen and input[edit] The first two generations of both Surface lines features. With the release of the third generation Surface and Surface Pro, Microsoft increased the screen sizes to. The fourth generation increased the screen further to. The screens feature a multi-touch technology with 10 touch-points and scratch-resistance Gorilla Glass. All generations of the Surface Pro and third generation of the Surface also features an active pen, but it is not included in the box with all models. The display responds to other sensors: There are three buttons on the first three generation of Surface, including a capacitive Windows button near the display that opens the Start Screen, and two physical buttons on the sides: The fourth generation removed the capacitive windows button on the screen. The Surface has front and rear cameras, the resolution of which has been increased to 3. The second generation Surface 2 added an Nvidia Tegra 4. With the release of the Surface 3, Microsoft switched the Surface line to the Intel x64 architecture, the same architecture found in the Surface Pro line. Surface 3 uses the Braswell Atom X7 processor. Storage[edit] The Surface devices are released in six internal storage capacities: With the release of the third generation, the 32 GB model was discontinued. All models also feature a microSD XC card slot, located behind the kickstand, which allow for the use of memory cards up to GB. Surface devices have a different amount of non-replaceable RAM, ranging from 2 to 16 GB, attached to the motherboard. All Surface devices have a 3. All the devices feature an accessory spine, or Cover Port. The ports have been moved in different locations throughout the various generations of Surface tablets, and beginning with the Surface Pro 3, Microsoft moved to a fin-style connector called Surface Connect to charge the device. Cellular connectivity[edit] While all Surface devices come in the Wi-Fi only models, some generations also feature the Wi-Fi with a cellular support. The cellular variants, however, do not support circuit-switched voice calls and texts, allowing only data connectivity. The cellular models have a micro-SIM slot at the bottom of the device, next to the Type Cover connecting pins. External color and kickstand[edit] The exterior of the earlier generations of Surface tablet, Pro, and Pro 2 is made of VaporMg magnesium alloy giving a semi-glossy black durable finish that Microsoft calls "dark titanium". According to Microsoft, this is great for watching movies, video chatting, and typing documents. The second generation added a 55 degrees angle position which according to Microsoft makes the device more comfortable to type on the lap. The Surface 3 features three angle positions: The Surface Pro 3 is the first device to have a continuous kickstand that can be set at any angles between 22 and degrees. With the fifth-generation Surface Pro, Microsoft added an additional 15 degrees of rotation to the hinge bringing the widest possible angle to degrees, or what Microsoft calls "Studio Mode".

Surface Book On 6 October, Microsoft unveiled the Surface Book, a 2-in-1 detachable with a mechanically attached, durable hardware keyboard. It became the first Surface device to be marketed as a laptop instead of a tablet. The device has a teardrop design. This module can then be detached while the Surface Book is running, in which case the system automatically switches to the integrated graphics in the tablet unit. On 26 October, Microsoft unveiled an additional configuration, called the Surface Book

with Performance Base, which has an upgraded processor and a longer battery life. A inch model was added to the line. The device comes with the newly announced Windows 10 S operating system, which enables faster boot times at the expense of the ability to download and install programs from the web instead of the Microsoft Store. Users can switch to a fully enabled version of Windows 10 for free. All its components, including the processor and a surround-sound system, are located in a compact base on which the screen is mounted upon via a flexible, four-point hinge. The design allows the screen to fold down to a degree angle for physical interaction with the user. The device runs a variant of the Windows 10 operating system. Also, up to July , older models which shipped with Windows 8. However, there were several major updates made available after its initial release that include Windows RT 8. These older, ARM-based models of Surface are not compatible with Windows 10, but received several new features including a new Start menu similar to that found in early preview builds of Windows . When a keyboard is connected to the Surface, Windows 10 runs in desktop mode; when it is absent, Windows 10 runs in tablet mode. When running in tablet mode, the start menu and all the apps run in full screen. All running apps are hidden from the taskbar and a back button appears. Swiping from the top closes the app while swiping from the left evokes the Task View and swiping from the right evokes the Action Center. Several of the included apps updated with Windows 10 are: Money, News, Weather, and Sports. Surface devices come preloaded with the OneNote app for taking handwritten notes. Windows 10 also features a text input panel with handwriting recognition which automatically converts handwriting to text. The Microsoft Edge browser features an inking function which allows handwritten annotations directly on webpages. Microsoft has ported its Office suite for use on Windows 10 devices, including the Surface devices running Windows . As the screen size on these devices exceed 10 inches, the apps require an Office subscription to edit documents, although it is not needed to view and print them. Surface devices have an internal microphone and speakers optimized for the Cortana personal assistant feature included on Windows 10 devices. Third-party applications that have been designed with the pen and touch interaction of Surface in mind include Drawboard PDF and Sketchable. Specialized software[edit] Prior to the release of Windows 10, on Surface Pro 3 Microsoft made the Surface Hub app available, which allowed the adjustment of Pen pressure sensitivity and button functions. Additionally, toggles to control sound quality and to disable the capacitive Windows button on the Surface 3 and Pro 3 devices were included. One such function is to launch OneNote with the press of the top button of the Surface Pro 4 pen. List of Surface accessories The Surface tablet with Touch Cover 2 attached Microsoft offer several Surface accessories, most of which are Bluetooth connected devices. Among these are the Surface Pen, the keyboard covers, and the Surface Dial. There are two main versions of the keyboard covers that connect via the Accessory Spine on the Surface tablets. The now discontinued Touch Cover, and the ever-evolving Type Cover. They feature a full QWERTY keyboard, with pre-defined action keys in place of the function row, though the function row is still accessible via the function button, and a multi-touch trackpad. The covers are made of various soft-touch materials and connect to the Surface with a polycarbonate spine with pogo pins. The Surface Dial was introduced alongside the Surface Studio, and is a computer wheel designed to work on-screen with the Surface Studio and fifth-generation Surface Pro. Previous Surface Pro devices were updated to support it as well. Please expand the section to include this information. Further details may exist on the talk page.

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But is it any good? The short answer is yes. Here is a list of the top 10 things about Windows 10 that make it the best version of Windows in the past few years: This offer is valid only for a year, ending July 29, , but if you upgrade before that date you will have Windows 10 for free on that device. The Windows team is allowing people to reserve their free upgrades and they have been releasing the update in a roll-out format, presumably to cut down on any major bugs or crashes. Windows 10 is bringing back the start button and making it more customizable than ever. If you liked the tile design of Windows 8, the start menu can be customized to keep bringing you those live-feed updates. They have managed to do both with Cortana, the Artificially Intelligent digital assistant. Cortana will work to figure out your likes and dislikes to fit your personal interests and demands. It will develop an understanding of news stories you might be interested in and restaurants you might like to try based on your previous searches. The developers even interviewed actual human personal assistants to figure out what made them good at their jobs. Action Center The Action Center will keep you up to date with any notifications and quick changes to settings. To access a tablet mode, turn on Bluetooth, see new tweets, or delve even deeper into your settings, you can click on the speech bubble at the bottom right-hand part of the screen. The speech bubble will turn white if you have any new notifications. Media Center Microsoft originally envisioned their users enjoying television, movies, Netflix, and other subscription-based media with the Media Center. Some users who were given the opportunity to download Windows 10 earlier had to download the software separately, but now the Windows 10 download comes with Windows DVD Player. For those of you who liked Internet Explorer, it can still be accessed through a simple search on Windows Windows Edge is a stripped down browser that attempts to mirror the simplicity of the competition while still being familiar enough for Explorer fans. Edge has some pretty interesting features, though, like being able to click-and-drag a box over a web page and send whatever is in that box to your friends. Maybe your favorite band just released their tour date and you want to show your friends the exact date when they are coming to your town. Cortana can also be accessed through Windows Edge for local searches, weather updates, and scheduling events. It used to be a rarity for someone to own their own computer. Now, most people own several devices, like tablets and phones, that do what computers do. This is great news for app developers and indie game makers because they can make one app that can be accessed on the Windows App Store by all Windows 10 devices. Multitask with the Task View Feature Windows 10 has a new feature that allows for easy multitasking and hopping between programs effortlessly called the Task View. Now you can see all of your open windows and transition between them very quickly. Another new feature you can use by accessing the Task View feature is creating and adding additional desktops. This can be extremely useful if you are working with multiple screens or have a larger monitor connected to a laptop with a smaller screen. Since then, the popularity of Windows Office Apps have grown and evolved. The programs became more powerful, and in turn, became more complicated for some users that were only familiar with older versions. The menus are stripped down for simplicity and the overall design is made to look clean while being efficient. One new security feature is Windows Hello. Now passwords can become extinct with fingerprint or face scanners and this new development will make hacking accounts more difficult. Device Guard will determine whether or not an app is safe to use and alert the user if it is deemed untrustworthy. They will monitor and dissect nearly everything you do on your devices. You know the stuff you were pretty sure belonged to you, like your personal emails, documents, and photos?

Chapter 3 : Shop Surface Pro Tablets, Surface Laptop, Surface Book & Surface Go

Note: Larger/Darker text within each node indicates a higher relevance of the materials to the taxonomic classification.

Share via Email This article is over 4 years old Windows has changed drastically over the years, but some things stay the same, through the rough and the smooth. Over 29 years later, Windows looks very different but somehow familiar with elements that have survived the test of time, increases in computing power and – most recently – a shift from the keyboard and mouse to the touchscreen. Windows 1 The first version of Windows. Wikipedia This is where it all started for Windows. It was notable because it relied heavily on use of a mouse before the mouse was a common computer input device. To help users become familiar with this odd input system, Microsoft included a game, Reversi visible in the screenshot that relied on mouse control, not the keyboard, to get people used to moving the mouse around and clicking onscreen elements. Windows 2 Windows 2 with overlapping windows. The control panel, where various system settings and configuration options were collected together in one place, was introduced in Windows 2 and survives to this day. Microsoft Word and Excel also made their first appearances running on Windows 2. Windows 3 Windows 3. The first Windows that required a hard drive launched in Windows 3 introduced the ability to run MS-DOS programmes in windows, which brought multitasking to legacy programmes, and supported colours bringing a more modern, colourful look to the interface. More important - at least to the sum total of human time wasted - it introduced the card-moving timesink and mouse use trainer Solitaire. Wikipedia Windows 1 and 2 both had point release updates, but Windows 3. Minesweeper also made its first appearance. Windows 95 Windows 95 Could it be any more up-to-date? Windows 95 also introduced a bit environment, the task bar and focused on multitasking. MS-DOS still played an important role for Windows 95, which required it to run some programmes and elements. Internet Explorer also made its debut on Windows 95, but was not installed by default requiring the Windows 95 Plus! Windows 98 introduced the back and forward navigation buttons and the address bar in Windows Explorer, among other things. One of the biggest changes was the introduction of the Windows Driver Model for computer components and accessories – one driver to support all future versions of Windows. Released in September, it was the consumer-aimed operating system twined with Windows aimed at the enterprise market. It introduced some important concepts to consumers, including more automated system recovery tools. Autocomplete also appeared in Windows Explorer, but the operating system was notorious for being buggy, failing to install properly and being generally poor.

The Microsoft Surface Book 2 is our pick for best Windows laptop thanks to a premium modular design, powerful hardware inside, and an outstanding hi-res display.

No, that honor goes to the new, and now more affordable, Microsoft Surface Book 2 – now, read our Surface Book 2 review! When the Surface Book, well, surfaced back in October, it made massive waves in the computing world. And, because the Surface Book 2 is such a premium laptop, the original Surface Book will be holding a dedicated fan base well into the future. If you go on Amazon, you can expect to save hundreds of dollars when compared to similarly specced Surface Book 2 devices without losing too much performance – and retaining the fantastic form-factor. Still, the Microsoft Surface Book stands out for more than just the spec sheet. While the Huawei MateBook X Pro might have you feeling seduced with its bezel-less design, the Surface Book is much more versatile with the detachable screen and native stylus support necessary to make it such an undeniable catch. Design If a tear in the space-time continuum were to suddenly rip open, two things would fall out: From the snake-like hinge, the flat design and even down to the washed-out silver color of this laptop, everything about it just seems like it came from the future. Milled from two solid blocks of magnesium, the Surface Book feels sturdy and has a most minimalistic style unto its own. From keyboard deck to the palm rests, the entire interior of the Surface Book is one flat surface of metal, except for the large space reserved for the glass touchpad. Likewise, the screen is made of one uninterrupted slate of magnesium, with its only extra flourishes being a mirror finished Windows logo in the center and a rear-facing camera. Unlike most other convertible devices, the screen and base sections share nearly the same thickness and weight. Without the foreknowledge that the display can actually detach, the Surface Book looks like one continuous device, thanks to the hinge. Rather than folding flatly, like a normal laptop, the dynamic fulcrum hinge coils into itself, leaving a noticeable gap between the screen and keyboard when its closed. When opened, this same hinge rolls out and actually extends the base of the laptop, which in turn helps extend the support base for the tablet portion of the Surface Book called the Clipboard. While a traditional notebook display might weigh half a pound at most, the top section of the Surface Book weighs 1. Surface Book is solid as a rock, and you can even pick up it by the display and shake it about without worrying about the whole thing falling apart. On a flat surface, the screen is held steady in place and even stays put when you have it in your lap. The only times we got the screen to move were when we tried poking the Surface Book with the Surface Pen, but that really comes from trying to operate a touchscreen on a laptop. After a week of using the Surface Book day-in and day-out, we were able to run our finger against the inside hinge and not find a single speck of dust. Rather, the keys stand at attention above the keyboard deck. The keyboard itself offers a splendid 1. The trackpad is just as pleasing, with its glass-laminated surface. For the first time ever, we found ourselves using three-finger multi gestures to rotate through windows and reveal the desktop. While this is a tiny element of the Surface Book, few – if any – other Windows notebooks on the market today offer such a tight tracking experience. However, Microsoft was the first to make a system as seamless as the Surface Book. After you get the prompt to detach the screen, you have to wait for about half a second before you can actually lift the display off its base. Tucked underneath the keyboard is a customized Nvidia GeForce GPU that makes this laptop just a bit more capable with media production and gaming. Microsoft has improved upon dockable graphics, as the Surface Book just needs a short moment to disengage the extra parts, whereas both the Alienware and MSI solutions require the laptop to reboot completely. Because the Clipboard is compatible with all Surface Book keyboard bases, not just the one it shipped with, Microsoft could theoretically come out with future upgrades could be done through new bases. Or maybe even a desktop rig that interfaces with the display? October Bill Thomas and Gabe Carey have also contributed to this review 1.

Chapter 5 : Microsoft Surface Book review | TechRadar

Your Microsoft Surface Book 2 is a fantastic Ultrabook as is, but a few accessories could make your life easier. Whether you're looking for a new way to play games, a little protection for the.

Your Phone and Cloud Clipboard are just the latest unique features to join the voice-based digital assistant Cortana, Windows Hello face login, and the other Windows trademarks. Even with all its forward-looking features, however, the OS remains familiar to longtime users. For those familiar with Windows 10, below is a quick rundown of the latest features. For a visual walk-through, read Windows 10 October Update: The Best New Features. Work with photos and text messages from an Android phone in this new included app on your PC. Look for this feature to jump to smartphones in future updates. You now see tiles offering Apps, Settings, Documents, Photos, and Web options for search, and the result page offers action like opening a file or folder location. Screenshot capability is improving on Windows, just as it recently did on macOS in Mojave. The tool now lets you mark up and share your snippingâ€”it even lets you clip a non-rectangular shape and draw circle sections with a protractor. Dark Mode for File Explorer: Microsoft is bringing its SwiftKey acquisition to Windows. The keyboard, which is already available as an add-in for Android and iOS, uses AI to learn your typing style and vocabulary. Edge Can Stop Autoplay: A new setting in the Edge browser prevents web videos and sound from playing automaticallyâ€”and often annoyingly. Chrome used to offer this option, but now the search and ad giant decides for you. The Game Bar has been updated and is now a full-fledged app. Added are audio controls, and the ability to suppress Windows updates during gaming. There are several improvements like letting you enlarge all text easily in Setting. There are also tweaks to Magnifier and Narrator. More Useful Sticky Notes: The old Sticky Notes were gone forever when you closed them, these new improved ones not only are saved in a history list, but sync between multiple PCs. It offers a clear report on device, virus, browser, network, ransomware, and account protections. The ransomware protection has been updated to let you allow apps to access controlled folders. You can now use your voice to enter text in any text box. Cortana Smart Home Control: The voice-based digital assistant can control smart home devices from ecobee, Honeywell, Nest, and Philips, among many others. You can also now use Cortana to play music on Spotify. Steam VR and 3D Support: You can add 3D models to photos and videos, PowerPoint presentations. Mixed Reality for Steam VR is fully released. A Success Story With over million copies installed according to Microsoft , Windows 10 now claims over 41 percent of the U. Commercial usage is growing 84 percent year over year. Microsoft recommends against using any third-party registry-optimizing software for Windows According to the official Windows Blog, going forward, "customers can choose to buy a new Windows 10 Home or Windows 10 Pro PC with S mode enabled, and commercial customers will be able to deploy Windows 10 Enterprise with S mode enabled. You should see the text "Feature Update to Windows 10, version Microsoft is rolling the update out in stages based on hardware readiness, but a few early updaters have reported that the update deleted user files , which Microsoft is investigating before continuing the rollout. Windows 10 is available to most users in just two editions: Home and Pro with bit and bit options for each , but all of the major features appear in both versions. Pro adds business-y things like network domain joining, Hyper-V virtualization, group policy management, and BitLocker encryption. That last one may be of interest to security-conscious personal users, too. Unsurprisingly, if you upgrade from Home levels of Windows 7 or 8, you get Windows 10 Home, and if you update from the professional versions of 7 or 8, you get Pro. There are, of course, other editions of Windows 10 for special use cases: The Enterprise version of Windows 10 is still an option for large organizations that want bulk licensing deals. Two Education versions target K institutions: Windows 10 Pro Education and Windows 10 Education. Windows 10 IoT Core. Interface Windows 10 presents almost no learning curve for longtime Windows users, while managing to incorporate many of the advances of Windows 8â€”faster startup, tablet capability, better notifications, and an app store. Its windowing prowess remains unmatched, letting you easily show the desktop and snap windows to the sides and corner quadrants of the screen. The Start menu is a differentiator from both macOS and Ubuntu, which have no centralized place for the user to start working with apps, files, search, and settings. Another is that

programs have their own menus, rather than using the operating system menus along the top of the screen as macOS and Ubuntu do. One fun Fluent effect is called Acrylic Material, which gives elements like menu bars a semi-transparent look and the appearance of depth when the mouse is over them. It now extends to the Start menu, Settings dialog, and Action Center. Apple Night Shift only offers the last two options. You can even adjust the warmth of the spectrum Night Light uses see the nearby screenshot. Windows dark theme also takes effect in the Start menu, Taskbar, as well as 23 included apps. Oddly, Edge has its own separate setting for light and dark modes. The Start menu shows the All Apps list without a second button press, and it also shows most used and newly installed apps. I appreciate that you can also set basic folder icons to appear, or not, as you choose. So, for example, you can have icons for File Explorer, Downloads, Documents, and so on appear right above the start button. This lets you easily find whatever file you were last working on regardless of the application you were using. You never have to remember where you just saved a file to find it quickly. Unfortunately, design differences between the Settings App and Control Panel still remain. For simple system settings, you use the Settings app, for deep, technical system options, you go to the Control Panel. Instead, you see it when you perform certain actions like trying to uninstall a legacy program. You can still open it by simply typing "Control" in the Start menu search bar. Timeline This feature takes over the Task View, adding the elements of time, showing your activities over the past 30 days. A plus is that, if you have the Edge app installed on your Android or iPhone, you also see activity from that. You can see currently running tasks at the top, and the Timeline entries below that. You can even search for your earlier activity. You turn on Cloud Clipboard in a new Settings option. You can now hit Windows key-Shift-S to select a section of the screen that will be sent to the clipboard. Your selection can be a rectangle, a freeform shape, or the full screen. When you snap a screenshot this way, a panel appears in the lower-right corner of the screen offering the option to mark up and crop the image. Another very useful screenshot feature ties in with OneDrive, which you can set to store images when you tap the PrintScreen key for full screen capture or Alt-PrintScreen for the window in focus. This saves you the steps of going from the clipboard to image file saving in some image editor, such as Paint. Using the iOS or Android version of the Edge browser and the Cortana app provides even more integration. The next step, Your Phone, is the topic of my next section. This lets you see and even drag-and-drop photos from your phone, and engage in SMS text messaging on a connected phone from the PC. You enable these by installing the Your Phone Companion app on the mobile. The catch is that this only works with Android, for now. Next up is access to your Timeline from the phone. This includes data from Office, LinkedIn, and that gathered by its Bing search service, which crawls the entire web. For these, Windows includes Messaging and Mobile Plans apps. More for Photos The included Photos app is not only a decent photo editor, but it also edits videos and supports mixed reality objects. It also has an AI-powered search function, which means you can type things like "dog" or "mountain" and see results containing those items in your photo collection. You can organize your photos into albums, apply automatic photo editing fixes like red-eye correction, lighting, and color, as well as add Instagram-like filters. Photos creates automatic galleries for you based on photos taken at a similar time and place, picking the best of similar photos to include. Its face-recognition and can group all the shots of one person, and finally lets you associate names with the faces. To automatically create a video with the option to Remix it, tap the Create button and then choose Automatic video with music. This lets you select two or more photos or clips and join them, apply titles, crops, filter effects and add fitting background music and titles. You can drag the thumbnails back and forward in the sequence to reorder them, and you can trim individual video clips. A very cool extra is that you can apply 3D effects, and even anchor them to an object in your video with motion tracking. You can use the included mood music or your own tracks. If you choose the former, transitions are timed to the beats. In the automatic video choice, you can designate someone in your video as the Star. The program identifies faces in the video clips and photos, and it lets you choose one to highlight. It then creates a video in which that person is the most important element. My People The My People feature lets you pin contacts to the Taskbar for easy communication via email, Skype, or whatever communication apps later support it.

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The series certainly seems popular enough for Microsoft to carry on further down this road (the launch of the Surface Studio backs that up too) so a Surface Book 3 is very much on the cards, even.

Chapter 8 : Free eBooks from Microsoft Press - Microsoft Virtual Academy

No, that honor goes to the new, and now more affordable, Microsoft Surface Book 2 - now, read our Surface Book 2 review! When the Surface Book, well, surfaced back in October, it made.

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