Case 1:23-cv-00108-LMB-JFA Document 1202-12 Filed 08/22/24 Page 1 of 12 PageID# 88893

# Exhibit 48

Custodian: Marshall Vale

Case 1:23	8-cv-00108-LMB-JFA Document 1202-12 Filed 08/22/24 Page 2 of 12 PageID# 88894
From:	devinj@google.com
Sent:	Wed 12/19/2018 6:46:15 PM (UTC)
То:	devinj@google.com, nielm@google.com, simeonv@google.com, lasnik@google.com, vimproponent@google.com, dgoyette@google.com, aaronlane@google.com, kanepyork@google.com, jernej@google.com, jagonzal@google.com, oars@google.com
Subject:	AAAAP1I8UmQ-MBI-THREADED:xH4ivaKkBGU%%%2018-12-18T23:46:14.572687
devinj@goo	gle.com December 19, 2018 at 6:46:14 PM UTC
1) is there a wa	ay to disable the assistant button? 2) is there a bug filed for it being impossible to exit the assistant
• • •	escape / alt tab? 3) if not, where do I file such a bug? November 20, 2020 at 1:03:12 PM UTC
,	ay to disable the assistant button? 2) is there a bug filed for it being impossible to exit the assistant
	escape / alt tab? 3) if not, where do I file such a bug? g <b>le.com</b> December 19, 2018 at 6:46:29 PM UTC
	I hate this laptop so much 🗑
	November 20, 2020 at 1:03:12 PM UTC
•	I hate this laptop so much 🐨
00 0	gle.com December 19, 2018 at 6:47:52 PM UTC
	p the assistant first, then disable it. go/pixelbook-tips for more like this pogle.com/pixelbook-tips
	November 20, 2020 at 1:03:12 PM UTC
	o the assistant first, then disable it. go/pixelbook-tips for more like this
	pogle.com/pixelbook-tips
01	oogle.com December 19, 2018 at 6:47:54 PM UTC
•	utton stopped working correctly after one day. You can go into settings and disable Google
	iest way to do it is to just search for Assistant in settings November 20, 2020 at 1:03:12 PM UTC
My assistant b	utton stopped working correctly after one day. You can go into settings and disable Google
	iest way to do it is to just search for Assistant in settings o <b>gle.com</b> December 19, 2018 at 6:49:26 PM UTC
	enable assistant in order to disable it?
	November 20, 2020 at 1:03:12 PM UTC
,	enable assistant in order to disable it? g <b>le.com</b> December 19, 2018 at 6:49:26 PM UTC
.00	about that too?
-	November 20, 2020 at 1:03:12 PM UTC
-	about that too?
	gle.com December 19, 2018 at 6:50:09 PM UTC
Deleted on N	cent it's already disabled in settings November 20, 2020 at 1:03:12 PM UTC
	cent it's already disabled in settings
•••	oogle.com December 19, 2018 at 6:50:24 PM UTC ust my broken state that then.
• •	November 20, 2020 at 1:03:12 PM UTC
	ust my broken state that then.
	gle.com December 19, 2018 at 6:50:42 PM UTC
-	l disabling it worked
	November 20, 2020 at 1:03:12 PM UTC
-	l disabling it worked g <b>le.com</b> December 19, 2018 at 6:50:45 PM UTC
actinguegoo	

but omg that privacy alert Deleted on November 20, 2020 at 1:03:12 PM UTC but omg that privacy alert devinj@google.com December 19, 2018 at 6:50:54 PM UTC turns out my laptop also wants to aggressively spy on me Deleted on November 20, 2020 at 1:03:12 PM UTC turns out my laptop also wants to aggressively spy on me devinj@google.com December 19, 2018 at 6:51:12 PM UTC (and give everything on my screen to third parties, how did that pass security review...?) Deleted on November 20, 2020 at 1:03:12 PM UTC (and give everything on my screen to third parties, how did that pass security review...?) devinj@google.com December 19, 2018 at 6:51:23 PM UTC aaaaaaaaaaaaaa Deleted on November 20, 2020 at 1:03:12 PM UTC aaaaaaaaaaaaaaaa devinj@google.com December 19, 2018 at 6:51:27 PM UTC well hopefully it's over now frodo Deleted on November 20, 2020 at 1:03:12 PM UTC well hopefully it's over now frodo devinj@google.com December 19, 2018 at 6:51:36 PM UTC thanks for the tips, will read through the rest of that page Deleted on November 20, 2020 at 1:03:12 PM UTC thanks for the tips, will read through the rest of that page lasnik@google.com December 19, 2018 at 8:03:02 PM UTC Sorry (not sorry) to be That Guy, but re "spy on me" and such... please communicate with care. Deleted on November 20, 2020 at 1:03:12 PM UTC Sorry (not sorry) to be That Guy, but re "spy on me" and such... please communicate with care. vimproponent@google.com December 19, 2018 at 8:03:07 PM UTC Haha Devin you've never liked your Chromebook 🥯 Deleted on November 20, 2020 at 1:03:12 PM UTC Haha Devin you've never liked your Chromebook 🥯 lasnik@google.com December 19, 2018 at 8:03:55 PM UTC <--- someone who is on 3 litholds and has had to give a deposition and has a law degree so knows firsthand how unfun Legal -- especially unexpected Legal -- stuff can be 📟 Deleted on November 20, 2020 at 1:03:12 PM UTC <--- someone who is on 3 litholds and has had to give a deposition and has a law degree so knows firsthand how unfun Legal -- especially unexpected Legal -- stuff can be 📟 dgoyette@google.com December 19, 2018 at 9:02:54 PM UTC At some local Linux User Group, one guy was wanting to install a full regular Linux on his Chromebook, because of some sort of dislike about Google. My question to him was: if you don't like Google, why buy a chromebook? It seemed silly to me. Deleted on November 20, 2020 at 1:03:12 PM UTC At some local Linux User Group, one guy was wanting to install a full regular Linux on his Chromebook, because of some sort of dislike about Google. My guestion to him was: if you don't like Google, why buy a chromebook? It seemed silly to me. simeonv@google.com December 19, 2018 at 9:03:28 PM UTC cheap hardware Deleted on November 20, 2020 at 1:03:12 PM UTC

cheap hardware

Case 1:23-cv-00108-LMB-JFA Document 1202-12 Filed 08/22/24 Page 4 of 12 PageID# 88896 devini@google.com December 19, 2018 at 9:59:35 PM UTC I'm never sure what's colloquialism and what's legalese Deleted on November 20, 2020 at 1:03:12 PM UTC I'm never sure what's colloquialism and what's legalese devinj@google.com December 19, 2018 at 10:00:06 PM UTC I mean that it simultaneously asked for permission to read everything on my screen and to share info with third parties Deleted on November 20, 2020 at 1:03:12 PM UTC I mean that it simultaneously asked for permission to read everything on my screen and to share info with third parties devinj@google.com December 19, 2018 at 10:00:36 PM UTC For good reason, presumably, but there's a reason I never turned this on... creepy af Deleted on November 20, 2020 at 1:03:12 PM UTC For good reason, presumably, but there's a reason I never turned this on... creepy af aaronlane@google.com December 19, 2018 at 10:04:06 PM UTC Does it specify which third parties are receiving data? I don't recall seeing that warning Deleted on November 20, 2020 at 1:03:12 PM UTC Does it specify which third parties are receiving data? I don't recall seeing that warning devinj@google.com December 19, 2018 at 10:04:32 PM UTC I closed it in a panic and forgot my laptop at home, but I didn't see that Deleted on November 20, 2020 at 1:03:12 PM UTC I closed it in a panic and forgot my laptop at home, but I didn't see that devini@google.com December 19, 2018 at 10:05:13 PM UTC I am inferring that it's some kind of plugin system like Alexa maybe? That's not so bad, if you're into it Deleted on November 20, 2020 at 1:03:12 PM UTC I am inferring that it's some kind of plugin system like Alexa maybe? That's not so bad, if you're into it devinj@google.com December 19, 2018 at 10:06:59 PM UTC The older I get the more I sympathize with RMS's airgapped computer Deleted on November 20, 2020 at 1:03:12 PM UTC The older I get the more I sympathize with RMS's airgapped computer vimproponent@google.com December 19, 2018 at 10:14:26 PM UTC i wonder if he has ever (or even would ever) give a talk at Google Deleted on November 20, 2020 at 1:03:12 PM UTC i wonder if he has ever (or even would ever) give a talk at Google lasnik@google.com December 19, 2018 at 10:14:57 PM UTC Devin, yeah, it can be confusing. Basically, I try to imagine what it'd be like sitting in court with an opposingteam lawyer taking my words out of context, and then I try not to write those words down in a discoverable medium. Especially sensitive: privacy, security, finance, competitive landscape (monopoly, crushing competition, etc.). e.g., ixnay to "our app practically leaks our users' data like a sieve! Good thing we basically crushed our competitors earlier!" So yeah, erroring on the side of caution makes for less interesting, sometimes even less useful written communication. But that's why we have off-the-record chats, VCs, in-person meetings, phone calls, etc. (for when we really are worried about something specifically ending up in court or

Deleted on November 20, 2020 at 1:03:12 PM UTC

resulting in Bad Stuff(tm).

Devin, yeah, it can be confusing. **Basically, I try to imagine what it'd be like sitting in court with an opposingteam lawyer taking my words out of context, and then I try not to write those words down in a discoverable medium.** Especially sensitive: privacy, security, finance, competitive landscape (monopoly, crushing competition, etc.). e.g., ixnay to "our app practically leaks our users' data like a sieve! Good thing we basically crushed our competitors earlier!" So yeah, erroring on the side of caution makes for less interesting,

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sometimes even less useful written communication. But that's why we have off-the-record chats, VCs, in-person meetings, phone calls, etc. (for when we really *are* worried about something specifically ending up in court or resulting in Bad Stuff(tm).

#### kanepyork@google.com December 19, 2018 at 10:40:20 PM UTC

For Googlers using a corporate device, I'm going to assume that language for Assistant is bordering on incorrect, especially with the "full screen capture" thing - Google is not a third party, it's your employer. Google knows about and can verify the data security and audit trail.

#### Deleted on November 20, 2020 at 1:03:12 PM UTC

For Googlers using a corporate device, I'm going to assume that language for Assistant is bordering on incorrect, especially with the "full screen capture" thing - Google is not a third party, it's your employer. Google knows about and can verify the data security and audit trail.

kanepyork@google.com December 19, 2018 at 10:41:06 PM UTC

[THIS IS SPECULATION]

Deleted on November 20, 2020 at 1:03:12 PM UTC

[THIS IS SPECULATION]

#### kanepyork@google.com December 19, 2018 at 10:43:41 PM UTC

[Personal opinion] I do think that Google can and should do a better job at explaining what we do with your data so that people (and customer companies!) can make correct risk assessments regarding data privacy. I seem to remember something from tgif about that.

#### Updated on December 19, 2018 at 10:44:10 PM UTC

[Personal opinion] I do think that Google can and should do a better job at explaining what we do with your data so that people (and customer companies!) can make correct risk assessments regarding data privacy instead of always assuming the worst. I seem to remember something from tgif about that.

Updated on December 19, 2018 at 10:44:35 PM UTC

[Personal opinion] I do think that Google can and should do a better job at explaining what we do with your data so that people (and customer companies!) can make correct risk assessments regarding data privacy instead of always assuming the worst. I seem to remember something from tgif about that for 2019.

#### Deleted on November 20, 2020 at 1:03:12 PM UTC

[Personal opinion] I do think that Google can and should do a better job at explaining what we do with your data so that people (and customer companies!) can make correct risk assessments regarding data privacy instead of always assuming the worst. I seem to remember something from tgif about that for 2019.

devinj@google.com December 20, 2018 at 3:32:54 AM UTC

@Adam Lasnik the difference is that colloquialisms are pretty easy to explain in front of everyone **Deleted on** November 20, 2020 at 1:03:12 PM UTC

@Adam Lasnik the difference is that colloquialisms are pretty easy to explain in front of everyone

kanepyork@google.com December 20, 2018 at 3:33:50 AM UTC

'everyone' is not 'opposing counsel'

Deleted on November 20, 2020 at 1:03:12 PM UTC

'everyone' is not 'opposing counsel'

devinj@google.com December 20, 2018 at 3:34:11 AM UTC

you aren't given the chance to explain legalisms AFAIK, because they have a real meaning **Deleted on** November 20, 2020 at 1:03:12 PM UTC

you aren't given the chance to explain legalisms AFAIK, because they have a real meaning

#### devinj@google.com December 20, 2018 at 3:34:15 AM UTC

a colloquialism is just words

Deleted on November 20, 2020 at 1:03:12 PM UTC

a colloquialism is just words

devinj@google.com December 20, 2018 at 3:34:25 AM UTC

if google lawyers had their way I wouldn't even be allowed to say "the build is broken"

Case 1:23-cv-00108-LMB-JFA Document 1202-12 Filed 08/22/24 Page 6 of 12 PageID# Deleted on November 20, 2020 at 1:03:12 PM UTC if google lawyers had their way I wouldn't even be allowed to say "the build is broken" devinj@google.com December 20, 2018 at 3:34:40 AM UTC "what did you mean when you said "broken", Mr Jeanpierre?" Deleted on November 20, 2020 at 1:03:12 PM UTC "what did you mean when you said "broken", Mr Jeanpierre?" devinj@google.com December 20, 2018 at 3:35:09 AM UTC the issue here isn't AFAIK the use of bad words, but the use of exaggeration Deleted on November 20, 2020 at 1:03:12 PM UTC the issue here isn't AFAIK the use of bad words, but the use of exaggeration devinj@google.com December 20, 2018 at 3:35:27 AM UTC e.g. "spy" != "collect data" Deleted on November 20, 2020 at 1:03:12 PM UTC e.g. "spy" != "collect data" devinj@google.com December 20, 2018 at 3:35:42 AM UTC it has other connotations that you'd have to explain, or not, idk Deleted on November 20, 2020 at 1:03:12 PM UTC it has other connotations that you'd have to explain, or not, idk kanepyork@google.com December 20, 2018 at 3:36:04 AM UTC i'd rather not, thanks Deleted on November 20, 2020 at 1:03:12 PM UTC i'd rather not, thanks devinj@google.com December 20, 2018 at 3:36:43 AM UTC sure Deleted on November 20, 2020 at 1:03:12 PM UTC sure devini@google.com December 20, 2018 at 3:37:35 AM UTC I am fortunate to never have been called on anything. I don't know what going to court would be like. I'd probably need to buy a suit, huh? Updated on December 20, 2018 at 3:42:18 AM UTC I just want a better laptop, man Deleted on November 20, 2020 at 1:03:12 PM UTC I just want a better laptop, man jernej@google.com December 20, 2018 at 9:54:03 AM UTC Um, what's stopping you from ordering it on stuff? Deleted on November 20, 2020 at 1:03:12 PM UTC Um, what's stopping you from ordering it on stuff? jernej@google.com December 20, 2018 at 9:54:39 AM UTC IIRC it requires manager approval if you swap platforms and that's it? Deleted on November 20, 2020 at 1:03:12 PM UTC IIRC it requires manager approval if you swap platforms and that's it? devinj@google.com December 20, 2018 at 4:46:29 PM UTC real talk I'm waiting for https://mystuff.corp.google.com/stuff/items/1933 https://mystuff.corp.google.com/stuff/items/1933 Deleted on November 20, 2020 at 1:03:12 PM UTC real talk I'm waiting for https://mystuff.corp.google.com/stuff/items/1933 https://mystuff.corp.google.com/stuff/items/1933 devinj@google.com December 20, 2018 at 4:46:46 PM UTC if I'm going to put my manager through that, might as well get a really nice laptop out of it Deleted on November 20, 2020 at 1:03:12 PM UTC

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if I'm going to put my manager through that, might as well get a really nice laptop out of it **devinj@google.com** December 20, 2018 at 4:47:04 PM UTC

line even willing to new the difference for refreshing early

I'm even willing to pay the difference for refreshing early **Deleted on** November 20, 2020 at 1:03:12 PM UTC

I'm even willing to pay the difference for refreshing early

vimproponent@google.com December 20, 2018 at 4:47:28 PM UTC

It has one fewer USB-C port..

Deleted on November 20, 2020 at 1:03:12 PM UTC

It has one fewer USB-C port..

dgoyette@google.com December 20, 2018 at 4:48:07 PM UTC

What item is that? Can't check it on my phone. Mystuff seems to demand highly trusted access, for some reason. **Deleted on** November 20, 2020 at 1:03:12 PM UTC

What item is that? Can't check it on my phone. Mystuff seems to demand highly trusted access, for some reason. **devinj@google.com** December 20, 2018 at 4:48:13 PM UTC

Surface Book 2

Deleted on November 20, 2020 at 1:03:12 PM UTC

Surface Book 2

devinj@google.com December 20, 2018 at 4:48:38 PM UTC

it has 1 USB C port, a separate mac-like charging port, and 2 USB-A ports. So I think it's a port win overall, ;robably

Deleted on November 20, 2020 at 1:03:12 PM UTC

it has 1 USB C port, a separate mac-like charging port, and 2 USB-A ports. So I think it's a port win overall, ;robably

vimproponent@google.com December 20, 2018 at 4:49:47 PM UTC

I think USB-A will be less useful over time, as we move to USB-C. It's also inconvenient that you can't use the same charger to charge both this laptop and your phone through the same USB-C port.

Deleted on November 20, 2020 at 1:03:12 PM UTC

I think USB-A will be less useful over time, as we move to USB-C. It's also inconvenient that you can't use the same charger to charge both this laptop and your phone through the same USB-C port.

vimproponent@google.com December 20, 2018 at 4:50:24 PM UTC

well, I should say, USB-C plug

Deleted on November 20, 2020 at 1:03:12 PM UTC

well, I should say, USB-C plug

devinj@google.com December 20, 2018 at 4:50:24 PM UTC

aha, that's where you're wrong SS

Deleted on November 20, 2020 at 1:03:12 PM UTC

aha, that's where you're wrong 🤓

devinj@google.com December 20, 2018 at 4:50:30 PM UTC

it also charges through the USB-C port

Deleted on November 20, 2020 at 1:03:12 PM UTC

it also charges through the USB-C port

vimproponent@google.com December 20, 2018 at 4:50:35 PM UTC

whaat

Deleted on November 20, 2020 at 1:03:12 PM UTC

whaat

vimproponent@google.com December 20, 2018 at 4:51:16 PM UTC

i wish they'd just put another USB-C port instead of a proprietary charging port **Deleted on** November 20, 2020 at 1:03:12 PM UTC

i wish they'd just put another USB-C port instead of a proprietary charging port **devinj@google.com** December 20, 2018 at 4:51:49 PM UTC

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88900

their proprietary charging port is more like thunderbolt actually

**Deleted on** November 20, 2020 at 1:03:12 PM UTC their proprietary charging port is more like thunderbolt actually

devinj@google.com December 20, 2018 at 4:51:55 PM UTC

except with a higher data capacity

Deleted on November 20, 2020 at 1:03:12 PM UTC

except with a higher data capacity

### devinj@google.com December 20, 2018 at 4:52:04 PM UTC

honestly I'm sure eventually we'll have no use for USB-A, but that's at least another laptop refresh cycle away so it's fine

Deleted on November 20, 2020 at 1:03:12 PM UTC

honestly I'm sure eventually we'll have no use for USB-A, but that's at least another laptop refresh cycle away so it's fine

vimproponent@google.com December 20, 2018 at 4:52:21 PM UTC

that's probably true unfortunately

Deleted on November 20, 2020 at 1:03:12 PM UTC

that's probably true unfortunately

### devinj@google.com December 20, 2018 at 4:52:41 PM UTC

I only use my laptop ports for charging and for my security key, so the surface book is going to be fine (can use a nano in one of the USB A ports finally, and can charge with either USB-C or my surface charger, whatever I have on hand)

Deleted on November 20, 2020 at 1:03:12 PM UTC

I only use my laptop ports for charging and for my security key, so the surface book is going to be fine (can use a nano in one of the USB A ports finally, and can charge with either USB-C or my surface charger, whatever I have on hand)

devinj@google.com December 20, 2018 at 4:52:59 PM UTC can dock with my desktop stuff also via the surface connect port Deleted on November 20, 2020 at 1:03:12 PM UTC can dock with my desktop stuff also via the surface connect port vimproponent@google.com December 20, 2018 at 4:53:40 PM UTC I wonder when they'll come out with titan USB-C security keys? Deleted on November 20, 2020 at 1:03:12 PM UTC I wonder when they'll come out with titan USB-C security keys? devinj@google.com December 20, 2018 at 4:54:07 PM UTC they have a USB-C nano but it broke on me in the first month or two Deleted on November 20, 2020 at 1:03:12 PM UTC they have a USB-C nano but it broke on me in the first month or two devini@google.com December 20, 2018 at 4:54:10 PM UTC they are very fragile Deleted on November 20, 2020 at 1:03:12 PM UTC they are very fragile devinj@google.com December 20, 2018 at 4:54:50 PM UTC (I had a working USB-A nano for many years before that. My portable USB A key bricked itself after a couple of years though, no idea why) Deleted on November 20, 2020 at 1:03:12 PM UTC (I had a working USB-A nano for many years before that. My portable USB A key bricked itself after a couple of vears though, no idea why) vimproponent@google.com December 20, 2018 at 4:55:16 PM UTC I'm quite jealous of the macbook people being able to use their touchbar

Case 1:23-cv-00108-LMB-JFA Document 1202-12 Filed 08/22/24 Page 9 of 12 PageID# 88901 Deleted on November 20, 2020 at 1:03:12 PM UTC I'm guite jealous of the macbook people being able to use their touchbar devinj@google.com December 20, 2018 at 4:55:41 PM UTC doesn't it have a worse keyboard than the pixelbook though? Deleted on November 20, 2020 at 1:03:12 PM UTC doesn't it have a worse keyboard than the pixelbook though? vimproponent@google.com December 20, 2018 at 4:55:56 PM UTC yep Deleted on November 20, 2020 at 1:03:12 PM UTC yep vimproponent@google.com December 20, 2018 at 4:56:13 PM UTC precisely because of the touchbar Deleted on November 20, 2020 at 1:03:12 PM UTC precisely because of the touchbar devinj@google.com December 20, 2018 at 4:57:05 PM UTC in theory you should just be able to add a touchbar UI to the bottom of the screen on a pixel book Deleted on November 20, 2020 at 1:03:12 PM UTC in theory you should just be able to add a touchbar UI to the bottom of the screen on a pixel book devinj@google.com December 20, 2018 at 4:57:09 PM UTC maybe less convenient to reach though Deleted on November 20, 2020 at 1:03:12 PM UTC maybe less convenient to reach though devinj@google.com December 20, 2018 at 4:58:04 PM UTC (but can you draw smiley faces and landscape doodles on your Microsoft™ Word™ documents via the Surface Pen<sup>™</sup>?) Deleted on November 20, 2020 at 1:03:12 PM UTC (but can you draw smiley faces and landscape doodles on your Microsoft™ Word™ documents via the Surface Pen<sup>™</sup>?) dgoyette@google.com December 20, 2018 at 5:00:42 PM UTC I consider those no-travel Apple keyboards completely unusable. Deleted on November 20, 2020 at 1:03:12 PM UTC I consider those no-travel Apple keyboards completely unusable. devinj@google.com December 20, 2018 at 5:04:58 PM UTC wait do they actually have zero or near-zero travel? like a laser keyboard? Deleted on November 20, 2020 at 1:03:12 PM UTC wait do they actually have zero or near-zero travel? like a laser keyboard? dgoyette@google.com December 20, 2018 at 5:05:41 PM UTC It's nearly zero, so I was only slightly exaggerating. Deleted on November 20, 2020 at 1:03:12 PM UTC It's nearly zero, so I was only slightly exaggerating. dgoyette@google.com December 20, 2018 at 5:05:53 PM UTC It's like 0.5 millimeters or something like that. Deleted on November 20, 2020 at 1:03:12 PM UTC It's like 0.5 millimeters or something like that. devinj@google.com December 20, 2018 at 5:06:32 PM UTC ThInK dlfFeReNt Deleted on November 20, 2020 at 1:03:12 PM UTC ThInK dlfFeReNt simeonv@google.com December 20, 2018 at 5:29:28 PM UTC

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"i wish they'd just put another USB-C port instead of a proprietary charging port" As a longtime MacBook user & current SurfaceBook 2 owner I'd say that the Surface charger is an even better version of a MagSafe. I lived the new MacBook design life and not having magsafe is quite painful

Deleted on November 20, 2020 at 1:03:12 PM UTC

"i wish they'd just put another USB-C port instead of a proprietary charging port" As a longtime MacBook user & current SurfaceBook 2 owner I'd say that the Surface charger is an even better version of a MagSafe. I lived the new MacBook design life and not having magsafe is quite painful

simeonv@google.com December 20, 2018 at 5:30:17 PM UTC

@Jimmy Cao "I'm quite jealous of the macbook people being able to use their touchbar" I found the touchbar a pain to use. I'm a touch typist and not being able to feel what the buttons are before I press them is a huge drawback

Deleted on November 20, 2020 at 1:03:12 PM UTC

@Jimmy Cao "I'm quite jealous of the macbook people being able to use their touchbar" I found the touchbar a pain to use. I'm a touch typist and not being able to feel what the buttons are before I press them is a huge drawback

vimproponent@google.com December 20, 2018 at 5:30:46 PM UTC

Oh same! I meant being able to use TouchID as their security key and it being titan compliant **Deleted on** November 20, 2020 at 1:03:12 PM UTC

Oh same! I meant being able to use TouchID as their security key and it being titan compliant **simeonv@google.com** December 20, 2018 at 5:30:59 PM UTC

OH, then I'm 100% with you.

Deleted on November 20, 2020 at 1:03:12 PM UTC

OH, then I'm 100% with you.

simeonv@google.com December 20, 2018 at 5:31:48 PM UTC

@Devin Jeanpierre the travel on the new keyboard is low enough that I've accidentally triggered keypresses

when trying to lightly touch the keyboard to find the home row. It's kinda infuriating

Deleted on November 20, 2020 at 1:03:12 PM UTC

@Devin Jeanpierre the travel on the new keyboard is low enough that I've accidentally triggered keypresses when trying to lightly touch the keyboard to find the home row. It's kinda infuriating

devinj@google.com December 20, 2018 at 5:32:01 PM UTC

@Simeon Vincent that is legitimately amazing

Deleted on November 20, 2020 at 1:03:12 PM UTC

@Simeon Vincent that is legitimately amazing

devinj@google.com December 20, 2018 at 5:32:29 PM UTC

fortunately for me, I can't touch type 🕾

Deleted on November 20, 2020 at 1:03:12 PM UTC

fortunately for me, I can't touch type 📾

simeonv@google.com December 20, 2018 at 5:32:41 PM UTC

I genuinely don't understand why they thought this was a good mass market, pro keyboard **Deleted on** November 20, 2020 at 1:03:12 PM UTC

I genuinely don't understand why they thought this was a good mass market, pro keyboard

devinj@google.com December 20, 2018 at 5:33:04 PM UTC

me neither. from my echo chamber it sounds like they really, really screwed this one up and alienated a lot of people

Deleted on November 20, 2020 at 1:03:12 PM UTC

me neither. from my echo chamber it sounds like they really, really screwed this one up and alienated a lot of people

simeonv@google.com December 20, 2018 at 5:33:15 PM UTC

I could see it in the base MacBook line which is oddly boutique

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#### 88903

### Deleted on November 20, 2020 at 1:03:12 PM UTC

I could see it in the base MacBook line which is oddly boutique

devinj@google.com December 20, 2018 at 5:33:25 PM UTC

the hardware was like the #1 reason people cited liking the laptops to begin with

Deleted on November 20, 2020 at 1:03:12 PM UTC

the hardware was like the #1 reason people cited liking the laptops to begin with

jagonzal@google.com December 20, 2018 at 7:43:20 PM UTC

I went to the ergo center in B46 to try out all the laptops when I was up for refresh from my macbook pro 15" - the new macbook keyboard had such a short travel that I did my usual typing test (https://www.typingtest.com/) it actually made my fingers/joints hurt, in 60 seconds!

https://www.typingtest.com/

Deleted on November 20, 2020 at 1:03:12 PM UTC

I went to the ergo center in B46 to try out all the laptops when I was up for refresh from my macbook pro 15" - the new macbook keyboard had such a short travel that I did my usual typing test (https://www.typingtest.com/) it actually made my fingers/joints hurt, in 60 seconds!

https://www.typingtest.com/

jagonzal@google.com December 20, 2018 at 7:43:50 PM UTC

I went with the pixelbook because I was already using the 15" macbook as a chromebook, so I figure why not, and the keyboard on the pixelbook is really sweet

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I went with the pixelbook because I was already using the 15" macbook as a chromebook, so I figure why not, and the keyboard on the pixelbook is really sweet

jagonzal@google.com December 20, 2018 at 7:44:43 PM UTC

I wish there was a 15" or even 14" chromebook - I don't want itsy bitsy teeny text! But i also want to be able to fit a critique window without scrolling to the side

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I wish there was a 15" or even 14" chromebook - I don't want itsy bitsy teeny text! But i also want to be able to fit a critique window without scrolling to the side

oars@google.com December 20, 2018 at 7:46:56 PM UTC

yes, a larger screen (or smaller bezel) for the pixelbook is all I want.

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yes, a larger screen (or smaller bezel) for the pixelbook is all I want.

jagonzal@google.com December 20, 2018 at 7:51:42 PM UTC

also real resolution of 1920x1080 or something like that, the pixelbook does 2400x1600, but for me it's unusable at anything higher than 1500x1000

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also real resolution of 1920x1080 or something like that, the pixelbook does 2400x1600, but for me it's unusable at anything higher than 1500x1000

jagonzal@google.com December 20, 2018 at 7:52:11 PM UTC

and it's preferred is 1200x800, which is ridiculously low

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and it's preferred is 1200x800, which is ridiculously low

oars@google.com December 20, 2018 at 8:01:37 PM UTC

I actually find myself switching the resolution fairly often on the pixelbook depending on what I'm doing, it's super quick and easy through keyboard shortcuts

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I actually find myself switching the resolution fairly often on the pixelbook depending on what I'm doing, it's super quick and easy through keyboard shortcuts

oars@google.com December 20, 2018 at 8:01:48 PM UTC

## Case 1:23-cv-00108-LMB-JFA Document 1202-12 Filed 08/22/24 Page 12 of 12 PageID# 88904

never had an issue once I got used to switch based on need **Deleted on** November 20, 2020 at 1:03:12 PM UTC never had an issue once I got used to switch based on need