

5 big questions about technology that connects the brain that Elon Musk is developing in Neuralink, transcendence or a dark script?

Neuralink is an ambitious project of Elon Musk, but along with that is the problem is not simple.

Elon Musk has always been a billionaire famous for his progressive and ambitious desire to move towards utopian technologies that can change the lives of billions of people across the planet.

Not satisfied with the achievements of the world 'admired hats' at SpaceX (aerospace) and Tesla (self-propelled electric vehicles), Elon Musk invested much money and enthusiasm in Neuralink , an ambitious startup project, with the main goal of developing computer interface systems that can connect and receive information directly from the brain with extremely high bandwidth, thereby enabling people can connect to a computer and control technology devices just by thinking.

1. The billionaire company Elon Musk successfully developed a system that helps control computers by thinking



Elon Musk's ambition is to connect the brain directly to the computer

Neuralink and big questions

1. Who will hold your brain data?
2. How will your brain be protected?

3. Can this technology be compatible with everyone?
4. What will happen if the Link computer suddenly stops working?
5. How to handle and categorize thoughts effectively?

After 3 years of establishment, Neuralink now has a system that can "read the mind of a rat with the help of micro-electrodes, implant into cells as well as internal synapses." Its brain, then connected to the computer to analyze the received signal '.

During the livestream on the evening of Tuesday 16 July, Elon Musk himself once again explained that he hoped Neuralink could help treat the diseases related to neurological disorders that are difficult to cure, maintain and Enhance human brain power, and finally combine the most human with artificial intelligence. Besides, his company is also speeding up a project to develop systems that allow paralyzed people to control their hands and legs by just thinking from the brain.

1. Decoding the tough interview of CEO Tesla: Elon Musk



Neuralink will leap in the relationship between people and computers?

However, in order to realize all these goals, an implant surgery related to the cortex is inevitable. Specifically, Neuralink plans to drill a hole about 8mm in diameter into the participant's skull, then implant some necessary equipment into the brain cortex. These devices will be responsible for collecting signals from the brain, and then send to a system of micro-sized, post-eared devices called The Link for signal processing through the interface of the god neural interface. Every surgery has certain risks, so Elon Musk and his colleagues are currently just testing this project on animals, and plan to seek approval from the Food Administration and US pharmaceuticals (FDA) to start testing this system on people right in 2020.

Neuralink sounds like an interesting leap on the relationship between people and computers. However, the transplantation of electronic devices, even the most advanced into the brain, has raised many concerns or even obsessed about the infringement of privacy and health risks to children. people. What if almost all of our thoughts were collected by machines and sent to Neuralink? It is really a terrible scenario of this seemingly transcendent technology.

Here are 5 big questions about how the technology that Neuralink is cherishing, help us get a more detailed view of the advantages and disadvantages of this technology.

1. The view that 5G waves are harmful to the brain is completely wrong!

Who will hold your brain data?

This is probably the most interesting question. When it comes to private data, perhaps many people will immediately think of scandals related to the unauthorized collection and use of users' private data, many of which come from The world's largest technology group. People are gradually losing confidence in the respect for privacy in the technology world so the questions raised in Neuralink's case are understandable.



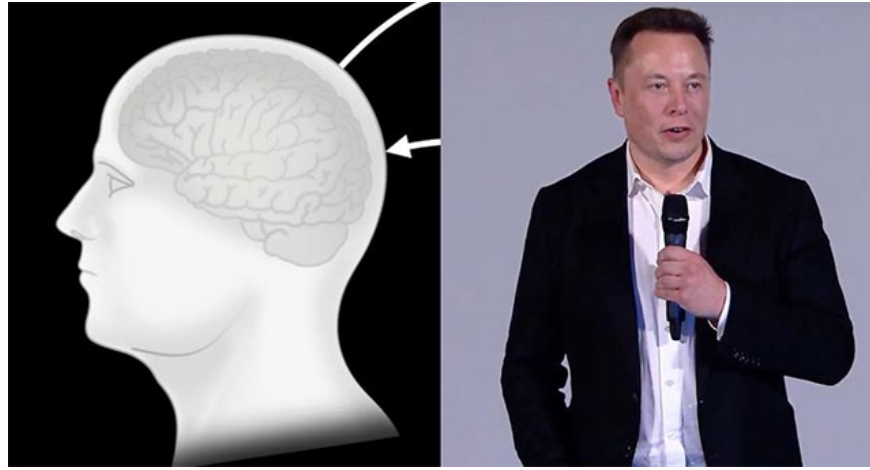
How will your thinking data be processed? Is there a privacy guarantee?

According to the project to connect the brain to the computer, Neuralink will have access to your brainwave data, and will your private thoughts be guaranteed when using their nerve device? Can they sell that data to a third party? Or is there any way to ensure your data is in a local state or all these devices will need to connect to the cloud server?

All of this raises some basic concerns about users' most private thoughts being illegally collected - and the government may have to quickly come up with strict rules to prevent early the abuse of this technology for illicit profits.

1. Researchers invented a method that allows playing a puzzle game through brain waves

How will your brain be protected?



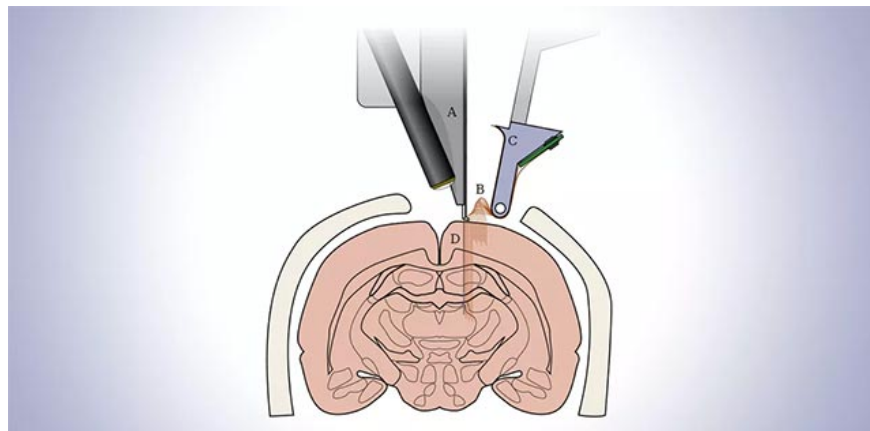
Is the brain after implantation safe?

You agree to implant an electronic system into the brain, so what happens if this system is hacked? Almost any state-of-the-art hardware or software system has vulnerabilities, and clever, cunning hackers will of course find a way to exploit these vulnerabilities any when have the opportunity. Humans are keen to know how Neuralink will protect their systems, or rather, their brains after those devices are implanted into the cortex (and other devices, no term like prosthetic limbs before the standing threat of hackers.

It's not just that hackers can read your thoughts, but the worse scenario is when hackers can make implanted devices malfunction, malfunction or even explode. At that time, even your life is hard to be guaranteed.

1. 7 brain training exercises that help you improve your memory and maintain a clear mind

Can this technology be compatible with everyone?



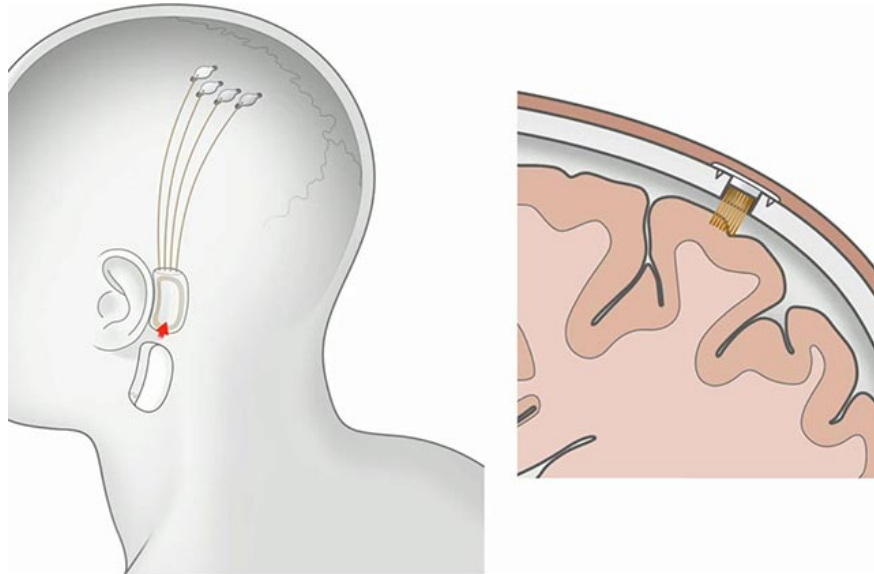
Does everyone fit this technology

The brain of each person is not the same, so don't expect to be able to learn how to control prosthetics or phones, computers just by thinking from the brain is a simple process. We still don't know what mechanism the Link will operate, simply turn and play, or need some more advanced technology.

Is this technology compatible with everyone, or will it work well with this person but less effective in the case of the other? Certainly Elon Musk and his colleagues will have to provide general guidelines on how to use the device most accurately according to the majority, or will need to have specific instructions for each individual.

1. Japanese students take whole fish as USB, use fish brain to save data but can only make scenes

What will happen if the Link computer suddenly stops working?

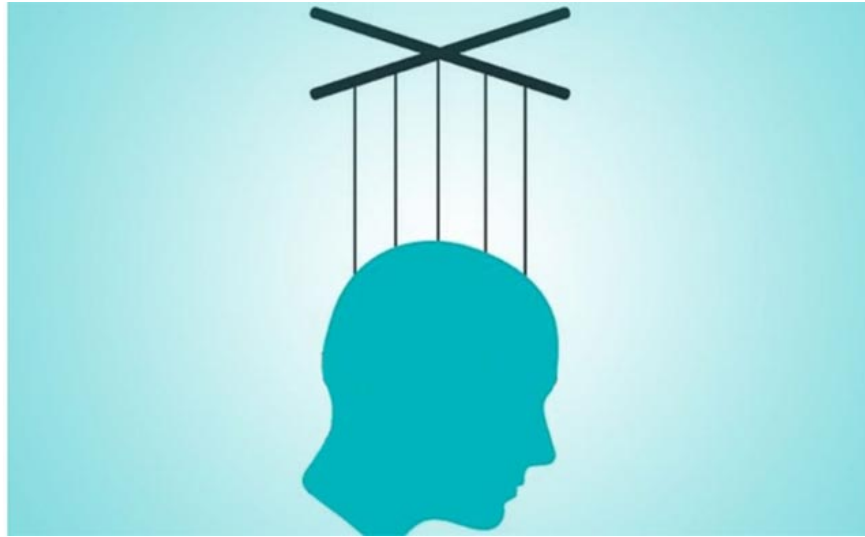


Is the "maintenance" cost a big problem?

According to Elon Musk's description, The Link was originally able to be installed by a special robot, custom made and capable of local anesthesia. This may sound relatively simple (for current medical brain surgery procedures) - however if the implanted device into the brain abruptly stops working or is damaged, is there a need to proceed? Another surgery to replace or repair equipment? Will the surgery cost more? And if the cost is too high, is there anyone who can be stuck with broken electronic devices in their brains until they can afford to pay for a replacement?

1. The most powerful supercomputer today, has 1 million processing cores, equal to 1% of human brain power

How to handle and categorize thoughts effectively?



How will difficult-to-control thoughts be handled?

We all have persistent thoughts, or even silly things that we sometimes can't control - our worries and fears, or even just a piece of our favorite song. keep stuck in your head all day. The question here is how will the technology of Neuralink interpret those thoughts? Theoretically, you could lose control of your limbs, or inadvertently direct the phone to play a song that is "obsessive" in your head, even though you really don't want it?

These are the five difficult questions that Elon Musk and his company have to answer if they want to go further and reach the ultimate goal of applying this technology to real life on a mass scale. With the talents and determination of people in Neuralink, they will probably find a satisfactory answer, but it will not be simple at all.

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