Washington Senate Business, Financial Services & Trade Committee

December 4, 2025

amazon Leo

Amazon Leo is Amazon's low Earth orbit satellite broadband network.



amazon leo

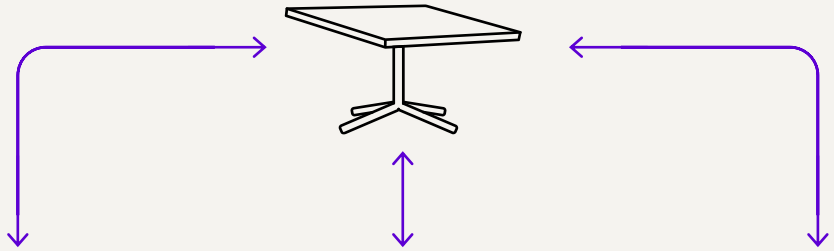
Amazon Leo Network

Space



Earth

Customer terminals



Public subnet

- Employee welfare & streaming
- Video conferencing
- Virtual private network
- Public communications

Private subnet

- Directory services / email
- Data warehouse
- Private 5G
- Cellular backhaul

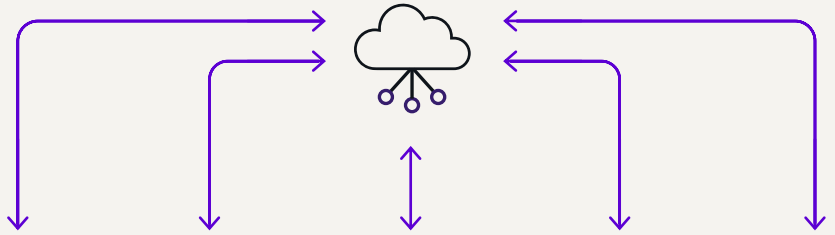
Edge services

- AWS Internet of Things core
- Machine learning
- Security
- Outposts

Gateway stations



Network core



- AWS Direct Connect
- AWS Transit Gateway
- Amazon virtual private cloud
- Internet
- Virtual private network, other clouds

amazon Leo

Customer antennas

Leo Nano

Ultra-small form factor

100 Mbps downlink

7” x 7”

18cm x 18cm

Leo Pro

Built for performance

400 Mbps downlink

11” x 11”

28cm x 28cm

Leo Ultra

Enterprise focused

1,000 Mbps downlink

20” x 30”

51cm x 76cm



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Satellite manufacturing

Amazon Leo is headquartered in Washington state with a 219,00-sq-ft research and development facility in Redmond and a 172,000-sq-ft satellite manufacturing facility in Kirkland.



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AMAZON LEO WASHINGTON COMMITMENT



Washington plays a critical role in Amazon Leo. Our investments in state-of-the-art facilities also generate advanced manufacturing job opportunities for Washingtonians.



R&D Headquarters in Redmond

State-of-the-art facility the size of more than four football fields serves as the primary headquarters for research and development

Satellite Production Facility in Kirkland

Capability to build up to five satellites per day at peak capacity



Logistics Center in Everett

Supports supply chain reliability, helps streamline our satellite manufacturing process, and manage inventory of third-party materials

Partnership with Lake Washington Institute of Technology

Created LWTech's first-ever satellite technician certificate program to prepare students in Washington state for careers in the growing space industry

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Mission updates

As of today,

6 launches

have deployed a total of

153 satellites



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Thank you

