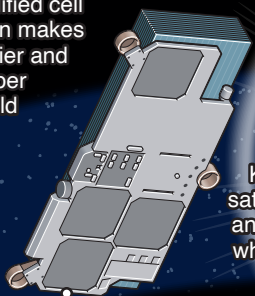


SpaceX's Starlink enters beta phase

SpaceX is inviting select people in the U.S. and Canada to test its Starlink service – a constellation of hundreds of small satellites designed to deliver high-speed internet around the planet

Large single solar array:

Extends when in space. Simplified cell design makes it easier and cheaper to build



Ion drive:

Thrusters, powered by Krypton, move satellite in space and deorbit craft when redundant

Antennas: Four powerful high-throughput phased array antennas

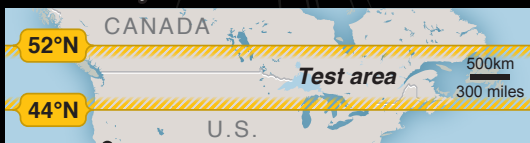
Star tracker:

Sensors keep satellite correctly orientated

Each flat panel satellite weighs just **260kg**

Multiple payloads:

Falcon 9 Heavy rocket can stack 60 satellites

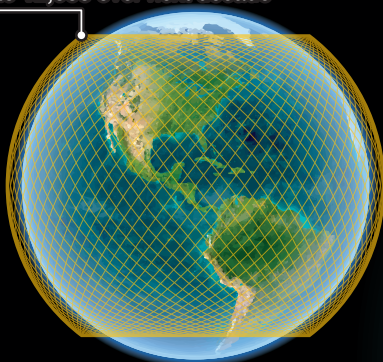


Better Than Nothing beta programme:

Select people living between latitudes 44°N and 52°N invited to try Starlink

Low Earth orbit:

Almost **1,000** Starlink satellites in orbit at altitude of **550km** – set to rise to **12,000** over next decade



Speed:

50-150Mbps data transfer speed, with latency of **20-40ms**

Cost per month:

\$99 (U.S.)

\$129 (Canada)

Terminal: Placed on roof to maximise visible sky

Cost: **\$499 (U.S.)**

\$649 (Canada)

