

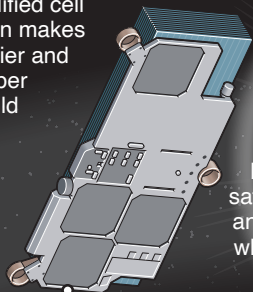
Starlink Internet arrives in Ukraine

Responding to a tweeted plea from Ukraine's deputy prime minister *Mykhailo Fedorov* to *Elon Musk*, SpaceX has delivered a truckload of Starlink Internet terminals to the embattled European nation

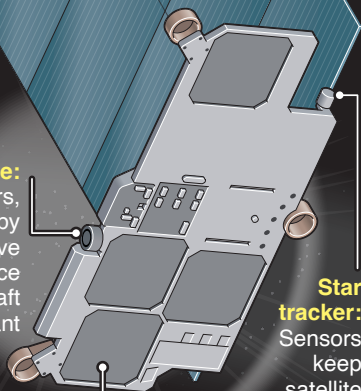
Starlink: Network of small satellites designed to deliver broadband Internet around world

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



Star tracker: Sensors keep satellite correctly orientated

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

Low Earth orbit: Almost **2,000** Starlink satellites in orbit at altitude of **550km** – set to rise to **12,000** satellites over next decade

Antennas: Four powerful high-throughput phased array antennas

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



Terminal: Placed on roof to maximise visible sky

Provides access to satellite Internet network as traditional services face disruption from invading Russian forces

