

Palestinian Fiber Optic Cable



Overview

The Palestinian Authority said internet and fixed-line communication services were down in Gaza on Thursday following an Israeli attack on the territory's last fibre optic cable.

Key Takeaways

Gaza's fiber optic network has faced repeated disruptions, with internet and fixed-line services frequently cut due to attacks on the main cables and restricted repair access.

Current Status and Recent Disruptions

The Palestinian Authority (PA) has reported multiple instances where internet and fixed-line communication services in Gaza were completely disrupted following attacks on the territory's main fiber optic cables, which the PA has attributed to Israeli military actions. These attacks have caused complete isolation in central, southern, and northern Gaza, severely affecting both civilian and emergency communications. Mobile calls remain partially available but with very limited capacity.

Infrastructure Challenges Gaza's fiber optic infrastructure is highly vulnerable due to the ongoing conflict and repeated targeting of communication lines. Repair teams often cannot access damaged sites safely, and the Israeli closure of border crossings has prevented the entry of essential maintenance supplies, further complicating restoration efforts. The repeated attacks have diminished network efficiency, and the PA warns that continued targeting could eventually lead to a complete communications blackout.

Humanitarian and Operational Impact

The outages have significant humanitarian consequences, as emergency services, hospitals, and civil defense rely on stable internet and telecommunication networks. The Palestinian Red Crescent has reported that the lack of connectivity hinders coordination with first responders and other humanitarian organizations, affecting the delivery of aid and emergency response.

U

N officials have highlighted that until repairs are possible, people are deprived of life-saving information and humanitarian teams cannot operate safely. Broader ContextGaza's fiber optic network is part of a fragile telecommunications system that has been repeatedly damaged over the course of the ongoing conflict, which has lasted over 21 months. The destruction extends beyond communications to water, electricity, and road infrastructure, compounding the challenges of maintaining connectivity.

Despite efforts by the Palestinian Telecommunications Company to restore services, repeated attacks and restricted access continue to threaten the stability and reliability of the network. In summary, Palestine's fiber optic connectivity, particularly in Gaza, is highly unstable, with repeated outages caused by attacks on main cables, restricted repair access, and ongoing conflict, severely impacting both civilian life and emergency operations.

Article Content

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Communications in Palestine

It buries its cables very deep (up to 26 feet) and has multiple power sources available, such as batteries, solar panels, and generators. Ultimately, Paltel is

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Restoration of critically damaged telecom assets, including fiber-optic cables, cellular towers, and other essential infrastructure should be prioritized, and supported by international donor funding.

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The Palestinian Authority on Thursday said internet and fixed-line communication services were down in Gaza following an attack on the territory's last fiber optic cable, accusing

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