DATAREMOTE

90X1

TTY Machines

POTS line replacement for text telephones (TTY/TDD)

OVERVIEW

Keep text telephone access online

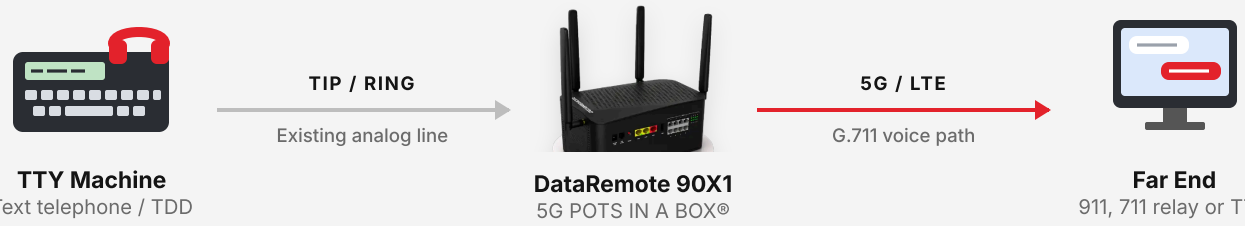
A **TTY** (text telephone, or TDD) lets people who are deaf, hard of hearing or speech-impaired hold a typed conversation over a phone line. TTYs are found at 911 centers, hospitals, government offices, schools, hotels, transit stations and public phones, and most run on an **analog POTS line**.

TTY characters travel as audio tones that are easily garbled by compressed codecs and poor network audio. The **90X1** replaces the copper line with a TTY/TRS-capable analog port that uses **G.711** audio over **5G/LTE** with wired WAN failover. The TTY plugs in as before.



HOW IT CONNECTS

To the TTY, the 90X1 looks like a standard phone line, and its tones are carried without compression.



TTY Machine
Text telephone / TDD

DataRemote 90X1
5G POTS IN A BOX®

Far End
911, 711 relay or TTY

Clean TTY Signaling

A TTY/TRS-capable analog port with G.711 audio and G.168 echo cancellation helps TTY tones arrive intact, so typed characters aren't dropped or garbled.

911 and Relay Ready

E911 support with geo-location for emergency calls, plus support for calls through Telecommunications Relay Services (TRS), including 711.

Always Available

Up to 48 hours of battery backup keeps the TTY line working during power outages, and ARA line-status monitoring alerts you if a line goes down.

1 · CONNECT

Plug the TTY's phone cord into any of the 90X1's eight RJ-11 FXS ports.

2 · CONFIGURE

In ARA, confirm that line uses the G.711 codec for TTY traffic.

3 · TEST

Call another TTY or relay (711) and confirm text types cleanly in both directions.

Coordinate any 911 test call with the local PSAP. The final installation must meet the site's applicable accessibility (including ADA) and emergency communication requirements.