

Scenario: The phone company drops and terminates a line into a jack in the large remote clinic. The external T1 circuit is connected to the CSU/DSUs, then to the TransLAN bridge that connects the two network segments.

At both the MTF and the remote site:

1. Make an interface cable and extend it from the service termination jack supplied by the telephone company to the proper port on the CSU/DSU.
 2. Connect the CSU/DSUs to the TransLAN bridge using V.35 cables.
- Refer to Figure 4-6: Typical, Newer, Large, Remote Communications Architecture (Using T1 Circuit).
 - Display Transparency 4-5: Typical, Newer, Large, Remote Communications Architecture (Using T1 Circuit).

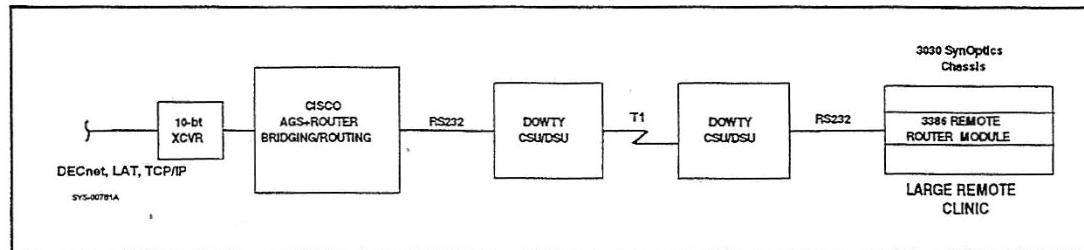


Figure 4-6. Typical, Newer, Large, Remote Communications Architecture (Using T1 Circuit).

Scenario: A large remote site communicates with the MTF via T1 digital lines. These lines are bounded on both ends by CSU/DSUs. Within the MTF, the CSU/DSU connects to a serial port on the Cisco router. Within the remote site, the CSU/DSU connects to a router within the remote hub.

At the MTF site:

1. Make an interface cable and extend it from the service termination jack supplied by the telephone company to the proper port on the CSU/DSU
2. Connect the serial interface cables from the Cisco AGS+ router to the CSU/DSU.

- Refer to Figure 4-8: Typical, Newer, Medium-Sized, Remote Communications Architecture (Using 56-kbps Circuit).
- Display Transparency 4-7: Typical, Newer, Medium-Sized, Remote Communications Architecture (Using 56-kbps Circuit).

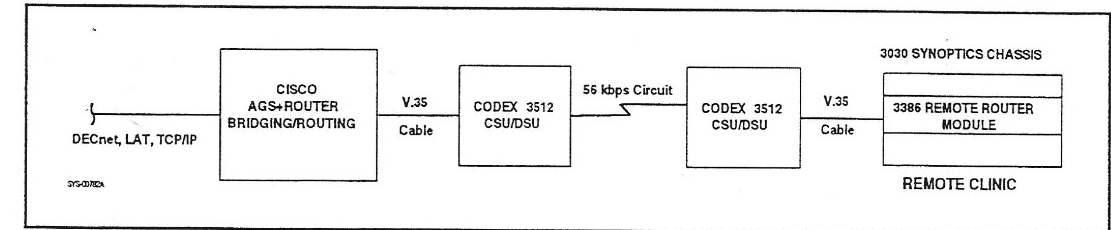


Figure 4-8. Typical, Newer, Medium-Sized, Remote Communications Architecture (Using 56-kbps Circuit).

DISCUSS SMALL-SIZED REMOTE CLINIC INTERCONNECT

Small site communication uses two low-speed dial-up modems on either end of an analog phone line. A MUXserver 300 or 380 connects to the primary Ethernet backbone. Each 3002-D1 circuit spans the physical distance from the MTF to the remote site using a DECmux 300 remote terminal server. A MUXserver 300 or 380 and the DECmux 300 connect to the 3002-D1 voice-grade circuit via a pair of analog leased line modems.

- Refer to Figure 4-9: Typical, Older, Small-Sized, Remote Communications Architecture (Using 3002-D1 Circuit).
- Display Transparency 4-8: Typical, Older, Small-Sized, Remote Communications Architecture (Using 3002-D1 Circuit).