



Configuring the ADTRAN ISU 512 for use with Polycom Video Conferencing Equipment

Physical Connection

The Polycom video conferencing equipment and ADTRAN ISU 512 can be configured for 1 and 2 channel calls. Different physical connections are required for the each type.

Physical Configuration for 1 channel calls

Calls using the BONDING protocol are supported up to 384k in this configuration. One Polycom cable is required.

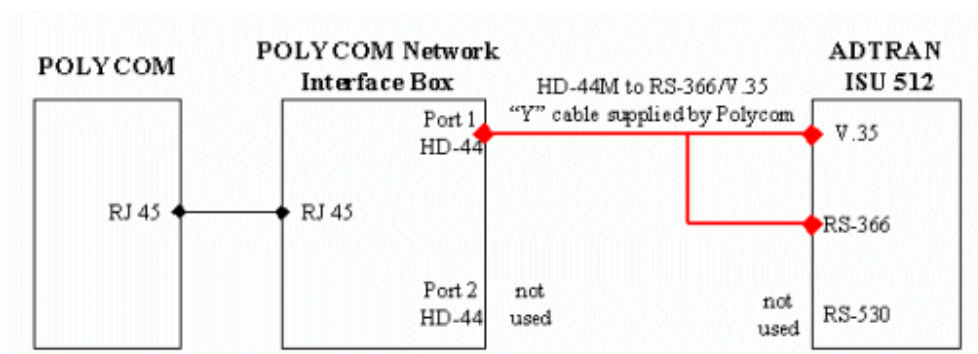


Figure 1

Physical Configuration for 1 and 2 channel calls

2x56 and 2x64 calls can be completed using this configuration. Two Polycom cables and two different ADTRAN cables are required.

Note: This physical configuration is only supported on the ISU 512. It is not supported on the ISU 512e due to its lack of an RS-530 port.

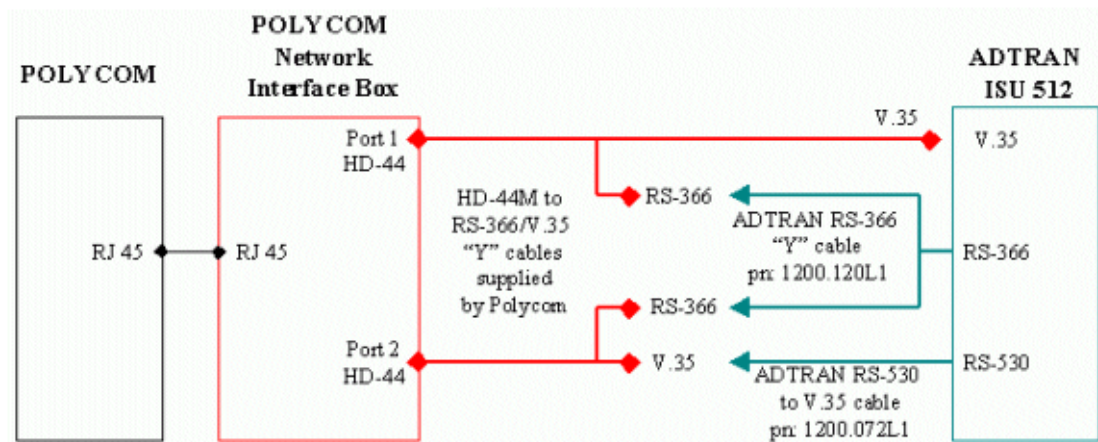


Figure 2

Device Configuration

Polycom Settings

- V.35 System Configuration
 - Video Network
 - RS-366 Dialing: yes
 - V.35 Port Used:

Set to 1 (for 1 channel call configuration)
Set to 1+2 (for 2 channel call configuration)

- Advanced V.35
 - Set no prefixes
 - Set all suffixes
 -

<u>Speed</u>	<u>Prefix</u>	<u>Suffix</u>
2x56*		#3#0
2x64*		#4#0
112		#3#2
128		#4#2
224		#3#4
256		#4#4
336		#3#6
384		#4#6

Note: 2x56 and 2x64 calls can only be made when configured for 1 and 2 channel calls. (See Figure 2.)

ADTRAN ISU 512 Settings

- Network Options
 - Switch type: per Telephone Company
 - Call type: 64K
 - SPID: per Telephone Company
 - LDN: 7 digits, per Telephone Company
 - Dial Options: RS-366
 - Auto Answer: enabled

- DTE Options
 - Max Bit Rate: 384K
 - Connector Type: V.35
 - 530/V.35 Cable: (ISU 512 only)

disabled (for 1 channel call configuration)
enabled (for 2 channel call configuration)

- RS366-Y Cable: (ISU 512 only)

disabled (for 1 channel call configuration)
enabled (for 2 channel call configuration)

- CTS Options: Follows CD
- CD Options: Normal
- DTR Options: Idle when Off
- DSR Options: DSR Forced On

Note: 530/V.35 and RS366-Y Cables are disabled unless ADTRAN proprietary cables are in use as illustrated in Figure 2. This physical configuration is only supported on the ISU 512. It is not supported on the ISU 512e due to its lack of an RS-530 port.