

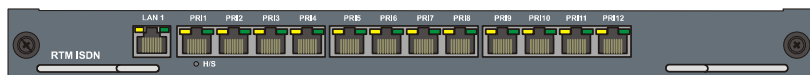
Polycom® RMX 2000 Real-Time Media Conference Platform



RMX 2000 Conference Platform

Support for ISDN on the RMX 2000 Conference Platform, Version 3.0

RMX 2000 Version 3.0 delivers fully unified communications to Polycom's high definition conference platform with support for ISDN. The RMX 2000 can support up to 80 resources of H.320 video for integrated services digital networks (ISDN), making the RMX 2000 the only high definition (HD) conference platform to support ISDN, IP (H.323 and SIP), and PSTN on a single, unified backplane.



E1/T1 Interface Card

To support ISDN on the RMX 2000, customers must purchase an E1/T1 interface card and run Version 3.0 software. The RMX 2000 supports up to two E1/T1 interface cards per chassis, with each one supporting up to 200 channels with 12 PRI (primary rate interface) connectors per card. The RMX 2000, loaded with two MPMs (media processing modules) and two E1/T1 interface cards supports a maximum of 80 media resources and 400 audio resources (PSTN or VoIP). ISDN capacity depends on data rates used (see Table 1 below). The E1/T1 interface cards do not expand the overall capacity of the RMX 2000 platform, but broaden its network support to include PSTN and ISDN.

Bit rates (Kbps, bonded)	Number of participants per E1/T1 interface card	
	E1	T1
128	40	40
192	40	40
256	40	40
320	40	40
384	35	34
512	25	25
768	17	17
1152	11	11
1472	9	9
1536(T1)	8	8
1920(E1)	7	6

Table 1. RMX 2000 ISDN Connection Capacity

The RMX 2000 supports the following features in ISDN: continuous presence (no video switching); bonding; resolutions up to HD; content sharing; video protocols H.261, H.263, and H.264; all audio algorithms supported by RMX 2000 except G.729 and G.723.1; lecture mode; and DTMF tones. Version 3.0 support of ISDN does not include a pass-through gateway so ISDN participants first hit an entry queue before continuing on to a conference.

Please refer to Version 3.0 release notes for a complete list of supported and non-supported ISDN features.