

You can use the following table to estimate the bandwidth requirements for audio data when using IP Panels. The total utilisation of the network should never exceed 20% of its nominal capacity.

Bandwidth requirements for audio data when using IP Panels, Agent-IC & IVC-32 trunk

	LAN (kbps)	WAN (kbps)	Internet (kbps)
Half Duplex from IVC-32 to V-series Panel/ Agent-IC & LQ devices	120	90	140
Half Duplex from V-series Panel/ Agent-IC & LQ devices to IVC-32	120	90	140*

** Note: Silence suppression is enabled from Panel to Matrix, and Forward Error Correction module is ON both ways. The FEC module increases bandwidth but will support ~5% packet loss without affecting audio and keep acceptable audio up to ~10% loss.

2-way (Full duplex bandwidth)	(kbps)	20 Ports (Mbps)	40 Ports (Mbps)	60 Ports (Mbps)
IP panel to/ fro matrix	280	5.6	11.2	16.8
IP trunk (IVC-32 to IVC-32)	280	5.6	11.2	16.8
Full Duplex from IVC32 to remote Agent IC	280	5.6	11.2	16.8
Full Duplex from IVC32 to remote Agent IC	280	5.6	11.2	16.8
Full Duplex from IVC32 to LQ device	280	5.6	11.2	16.8