



What is VoIP?

Basics of how it works

Why Digitize?

Analog to Digital Conversion

Compression Algorithms

Nyquist Theorem

Other Compression

Advantages of VoIP

Disadvantages

Common Problems or
Challenges of VoIP

Delay

Delay

Jitter

Packet loss

Sequence Errors

Protocols used by VoIP

RTP

RTP what each letter represents

Resource ReSerVation Protocol (RSVP)

H.323

Other Protocols

Components of standard VoIP Network

Terminals

Gateways

Gatekeepers (optional)

Multipoint Control Units
(Optional)

Mass-market telephony over
broadband Internet access

Open Source Resource