

SDP and codecs cheat sheet

Offer / answer

- RFC 4566 is the format. RFC 3264 is the negotiation.
- Same number of m= lines, same order.
- Port 0 rejects a stream.
- The answer uses a subset of the offered payload types.
- sendonly is answered recvonly or inactive.

Static payload types

- 0 PCMU, 8 PCMA, 9 G722, 18 G729.
- G.722 rtpmap clock is 8000. Audio is 16 kHz. Leave the clock alone.
- 96-127 are dynamic. rtpmap names them.
- telephone-event is RFC 4733 DTMF.
- Opus is dynamic. There is no fixed payload type.

Rates

G.711 payload 64 kbit/s. About 87 kbit/s on Ethernet at 20 ms with headers. G.729 payload 8 kbit/s, often planned near 31 kbit/s. Planning figures include framing.

SRTP

RTP/SAVP and a=crypto mean SDES keys inside SDP (RFC 4568, RFC 3711). Protect that SIP with TLS.

UC Lab field card · fictional examples only · confirm RFCs and current vendor docs before production changes.

Sources and go deeper

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Opened 2026-10. A row marked confirm has no link, because that page was not verified.

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