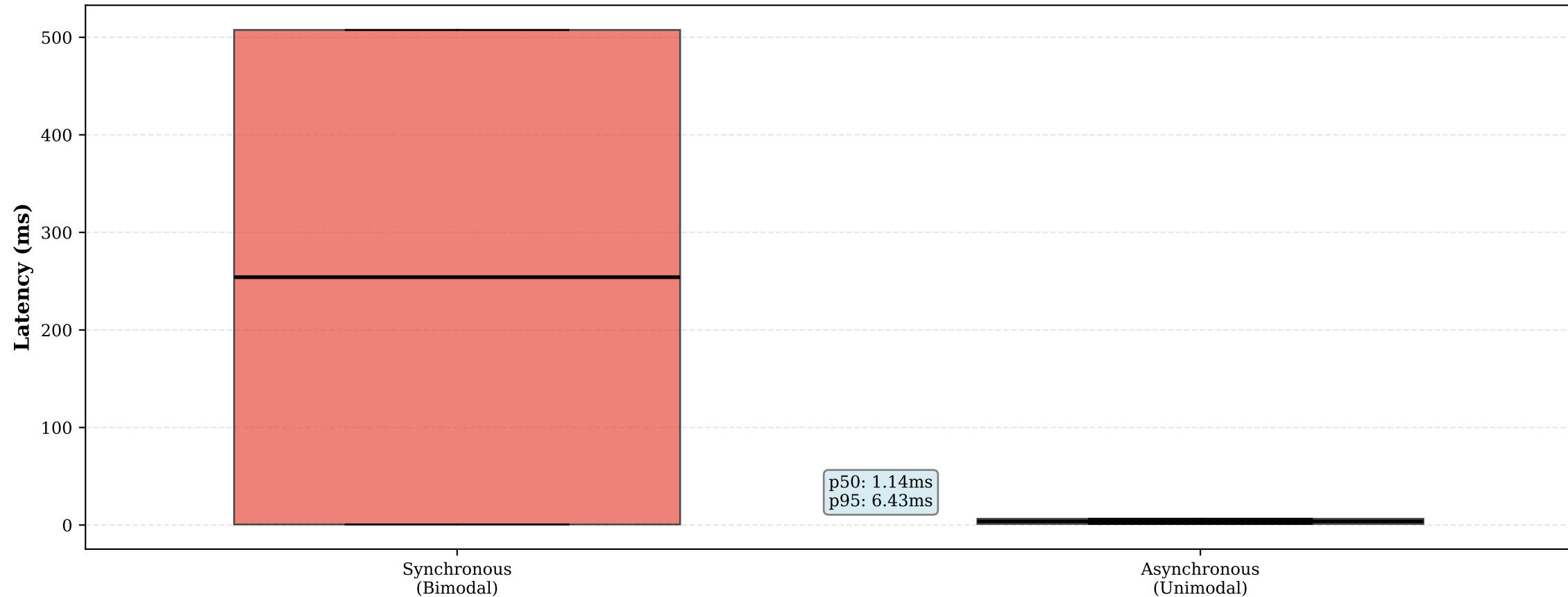


p50: 0.67ms
p95: 507.53ms

Figure 8: Latency Distribution Comparison - Medium Load
(Bimodal vs Unimodal Distribution)



p50: 1.14ms
p95: 6.43ms

*Synchronous shows wide spread (p50=0.67ms, p95=507ms) indicating bimodal distribution.
Asynchronous shows tight clustering (p50=1.14ms, p95=6.43ms) indicating consistent performance.*