

SA-100 Digital Stethoscope Amplifier

Retrofit acoustic amplification module with real-time cardiac monitoring



CORE FEATURES

- Real-time amplification of heart, lung, and bowel sounds (up to 40x gain)
- Live waveform visualization via companion iOS / Android app
- Automatic heart rate detection with rhythm classification
- In-app recording, playback, and chart-ready documentation
- Active noise-cancellation filtering for exam-room ambient sound
- Bluetooth 5.2 LE, 8-hr continuous battery life, USB-C charging

HIGHLIGHTS

- Retrofit design — attaches to any standard stethoscope, minimizing adoption friction
- Data-capture layer creates a durable, connected-device revenue line
- Recurring revenue potential: companion app + EHR integration subscription
- Addresses a validated clinical gap — faint or subtle sounds missed by acoustic-only exams
- Clear regulatory precedent: comparable devices already hold FDA 510(k) clearance

\$149–\$199

Target unit retail price

~\$35–43

Estimated landed COGS / unit

PHYSICAL

Dimensions

2.4" x 0.9" x 0.7" (61 x 23 x 18mm)

Weight

0.7 oz (20g)

Material

Medical-grade soft-touch ABS

Water resistance

IP22, wipeable for clinical disinfection

POWER & CONNECTIVITY

Battery

8-hr continuous use, 30-day standby

Charging

USB-C, ~90 min full charge

Wireless

Bluetooth

Compatibility

Universal fit, standard dual-tube stethoscopes

REGULATORY

Pathway

FDA Class II, 510(k) clearance

Est. time to clearance

8–14 months post-design freeze

Predicate devices

Comparable devices already cleared in category