






**Chart # 1**

**STETHOSCOPE USED WITH DIGITAL TRANSMISSION HARDWARE OR SOFTWARE**

TELEMEDICINE STETHOSCOPE FEATURES COMPARISON	RNK PCP-USB w/ PCP-SSP Software 	3M™ Littmann® 3200 w/ TeleSteth™ System 	Eko Core w/ Telemedicine Livestream Software 	Cardionics Ausculette II Telemedicine System 	JedMed OMNISteth™ w/ MedImaging Software 
In-Band* or Out-of-Band**	In-Band	Out-of-Band	Out-of-Band	Out-of-Band	Out-of-Band
Connection to PC	USB Port	Bluetooth	Bluetooth 4.0 LE	Special Cable	3.5mm mic port & BT 4
Power Source	USB Port Always On	AA Batteries (50-60 hours)	Rechargeable Li-Ion Battery (9 hours)	Battery or AC Line - Wall Transformer	AAA batteries (8 hours)
Frequency Range & Filter Options	20Hz-2000Hz 5 Filter Settings (Software)	20Hz-2000Hz 3 Filter Settings (Manual)	20Hz-2000Hz (Bell/Diaphragm Double Side Head)	20-2000Hz 3 Filter Settings (Manual)	20Hz-2000Hz 3 Filter Settings B/D/W (Manual)
Amplification***	Yes - To Max of PC's Mic & Speaker Amplification	24X Acoustic***	40X Acoustic***	Yes – Max Amplification N/A	24X Acoustic***
Volume Adjustment	PC Volume Control Continuous Settings	External Manual Controls 8 Settings	External Manual Controls 7 Settings	Volume Control Knob	External Manual Controls # Settings N/A
Pediatric Use	Yes - 1 1/3" (33mm) Raised Center – Ideal for Pedi & Infant Use	Yes - Adult, Pedi and Infant Use	Yes - Pediatric Diaphragm Included – Switchable with Bell	Yes - Pediatric and Adult Use	Yes - 25 mm Pedi Head /40 mm Adult Head
Record & Forward	Yes - Separate Software	Yes - 12 exams	Yes – Record w/ App	Unknown	Yes - 160 exams****
Visualization	Yes w/ Third Party Apps	Yes w/ StethAssist™	Yes – On App	No	1.5 in screen
OS Compatibility	Windows	Windows	Android/IOS/Win (Beta)	Info Not Available	Info Not Available
API/SDK	Win/WebRTC- Chrome/Android/IOS	Win XP-7/Fedora Core/Android	Win/IOS/Android	Info Not Available	Info Not Available

\*In-Band Software transmits the audio signal through the audio channel of the video conference platform

\*\*Out-of-Band Software transmits the audio signal on a separate channel from the video conference platform

\*\*\*Amplification ratings for stethoscopes are shown as maximum amplification vs traditional acoustic stethoscopes. All digital stethoscopes have adjustable volume levels and maximum volumes will vary.

\*\*\*\*Organ button selects body area templates with preset frequency ranges for recording.

Disclaimer: Chart data is based on currently available information and may be subject to change with product updates or pricing changes

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**Chart # 2**

**COST COMPARISON - STETHOSCOPES USED WITH DIGITAL TRANSMISSION HARDWARE OR SOFTWARE**

<b>TELEMEDICINE STETHOSCOPES – TOTAL COST OF OWNERSHIP</b>	<b>RNK PCP-USB w/ PCP-SSP Software</b>	<b>3M™ Littmann® 3200 w/ TeleSteth™ System</b>	<b>Eko Core w/ Telemedicine Livestream Software Service</b>	<b>Cardionics Ausculette II Telemedicine System</b>	<b>JedMed OMNISteth™ w/ MedImaging Software</b>
Stethoscope	\$489	\$399 X 2 = \$798*	\$299	\$1500 X 2 = \$3000**	\$480 X 2 = \$960***
Software License	\$165 one-time / patient site	\$750 X 2 = \$1500/yr	None	Hardware Digital Transmission	\$1100 lifetime license
Recurring Fees	None	None	\$40/mo/patient site	None	\$50/yr/stethoscope
<b>1 Year Cost</b>	<b>\$654</b>	<b>\$2298</b>	<b>\$779</b>	<b>\$3000</b>	<b>\$2160</b>
<b>3 Year Cost</b>	<b>\$654</b>	<b>\$5298</b>	<b>\$1739</b>	<b>\$3000</b>	<b>\$2360</b>
<b>5 Year Cost</b>	<b>\$654</b>	<b>\$8298</b>	<b>\$2699</b>	<b>\$3000</b>	<b>\$2560</b>

\* Stethoscopes required at sending and receiving sites for real-time auscultation

\*\* Digital transmission via hardware boxes – Units required on sending and receiving ends

\*\*\* Second stethoscope for JedMed not required but recommended by manufacturer for best quality sound

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**Chart # 3**

**STETHOSCOPE USED AS EXTERNAL MICROPHONE W/O SOFTWARE**

TELEMEDICINE STETHOSCOPE FEATURES COMPARISON	RNK PCP-USB w/o Software 	RNK PCP-1 w/o Software 	Cardionics E-Scope II w/o Software 	Thinklabs® Digital One w/o Software 
Microphone Switching	Switch Mic in VC Software	Switch Mic in VC Software	Switch Mic in VC Software	Switch Mic in VC Software
Connection to PC	USB Port	3.5 mm Mic Port	1/8 in male Stereo Jack & USB Accessory Connector	3.5 mm Mic Port
Power Source	USB Port Always On	Mic Port Always On	AAA Battery (4.5 mo Regular Use)–Auto Off After 1.5-2 Min	Rechargeable Li-Ion Battery (100-125 exams)-Auto Off Can Be Set To 1-10 Minutes
Frequency Range & Filter Options	20Hz-2000Hz No Frequency Selections w/o Software	20Hz-2000Hz No Frequency Selections w/o Software	20Hz-2000Hz Heart and Breath Filter Settings (Manual)	20Hz-2000Hz 5 Filter Settings (Manual)
Amplification*	Yes – To Max of PC’s Mic & Speaker Amplification	Yes – To Max of PC’s Mic & Speaker Amplification	30X Acoustic*	100X Acoustic*
Volume Adjustment	PC Volume Control Continuous Settings	PC Volume Control Continuous Settings	External Manual Controls 64 Settings	External Manual Controls 10 Settings
Pediatric Use	Yes – 1 1/3” (33 mm) Raised Center – Ideal for Pediatric & Infant Use	Yes – 1 1/3” Raised Center – Ideal for Pediatric & Infant Use	Supplied w/ Specialist Adult Diaphragm That May Be Changed to Specialist Adult or Specialist Pediatric Bell	46 mm Adult Diaphragm Has Been Used for Pediatric Patients
Record & Forward	Yes – Separate Software Required	Yes – Separate Software Required	Yes w/Connecting Cable (cat. No. 711-7128)	Yes w/Thinklink Connector
Visualization	No – Yes w/ Third Party Apps	No – Yes w/ Third Party Apps	No – Yes w/ Third Party Apps	No – Yes w/ Third Party Apps
Ease of Use**	1	1	2	3
Cost	\$489	\$399	\$335	\$499

\*Amplification ratings for stethoscopes are shown as maximum amplification vs traditional acoustic stethoscopes.

All digital stethoscopes have adjustable volume levels and maximum volumes will vary.

\*\*Ease of Use Scale 1=Easiest-No External Buttons or Switches 2=External Manual Controls on Stethoscope Head 3=Most Technical for End User

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