

Auscultation Anywhere Specification Sheet

Component	Specifications	
Hardware		
PC Interface	PCP-1 Plugs into Mic port of PC.	PCP-USB Plugs into USB port of PC.
Power	Derives power from Mic port.	Derives power from USB port.
Audio	<ul style="list-style-type: none"> • 20 Hz – 2,000 Hz bandwidth. • Uses PC's audio capability. 	<ul style="list-style-type: none"> • 20 Hz – 2,000 Hz bandwidth. • ADC, CODEC and Amplifier embedded in chest piece head.
Dimensions	Chest Piece Head 1 1/3" diameter	Chest Piece Head 1 1/3" diameter
Certifications	FDA 510(k), CE	FDA 510(k), CE
Cable	Coiled cable	Straight cable
Software		
Operating Systems	Works with Windows® based OS.	
Filter Options	No filter, 250hz, 500hz, 800hz, and 1000hz.	
Audio Compression	Speex, Opus, 32kb/s, and 64kb/s.	
SUD Server		
The Stethoscope User Data (SUD) Server is a means for a Provider to enter the users they want to authorize to use the stethoscope cloud connection service.		
Requirements	The SUD is a Windows based software program with a database. It requires very little horse power; a typical desktop PC can easily handle it from a processing point of view.	
Network Access	The SUD must be installed on a PC that is network accessible by the Provider Admin Managers that add or delete users from their stethoscope network.	
Ports	For HTTPS (SSL) communications, port 443 is commonly used and thus the default.	
Network		
Network Protocol	<ul style="list-style-type: none"> • Traverses NAT Boundaries. Direct connections for asymmetrical NATs and Relay Server connections for Symmetrical NATS. • Messaging data is TCP and is encrypted. • The stethoscope data stream is UDP and is encrypted. • AES 128-Bit encryption. 	
Ports	<ul style="list-style-type: none"> • Port 5222 to establish presence to the TMCS. • Port 3478 for negotiation messaging for a direct connection. 	
Relay Server		
Connections are typically direct except for facilities that use symmetrical NATs with their firewalls. In those cases, a Relay Server is needed.		
Ports	<ul style="list-style-type: none"> • Port 3479 for STUN/TURN communications. • Port Range 49152-59151 for relayed data. 	