Impella®
The World's Smallest Heart Pump

PRODUCT SECURITY BULLETIN
August 2021

QNX 6.5.0 SP1 Vulnerabilities

Abiomed is dedicated to ensuring the safety and security of our products worldwide and has been closely monitoring developments related to recently published CVE-2021-22156 identifying vulnerabilities in versions of BlackBerry QNX SDP and potentially in systems based on this Real-Time operating system RTOS.

Abiomed has conducted an investigation and determined its only affected product is the Automated Impella Controller (AIC). Abiomed's product security and quality teams are evaluating the vulnerabilities for potential impact including further actions and updates that may be required. There are currently no known exploits of Abiomed products including the AIC.

Affected Products:

Product & Version*	Recommended Response**
Automated Impella Controller (AIC) SW prior to V8.4	Update software to AIC V8.4.1 or greater
Automated Impella Controller (AIC) SW V8.2.2 specific to Canada, India, and Israel	Update software to AIC V8.2.3
Version is visible on upper right of the AIC screen ***Updates are performed by Abiomed personnel*	

The vulnerability identified could allow unauthorized attackers to execute code remotely when an Ethernet cable is erroneously connected to the AIC Ethernet jack. (The red circle on the images below indicates the location of the jack.) This jack is for service use only and not for use during patient support. The recommended response above disables this Ethernet jack on the AIC and mitigates this risk.

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Note, on Impella Connect AICs, there is a second Ethernet port within the Impella Connect module. This Ethernet port, indicated by the green circle in the image below, is not affected and is safe to continue using for remote patient monitoring.

ADDITIONAL INFORMATION

Customers interested in additional information about any Abiomed products should contact their Abiomed assigned account or customer support representative.

Abiomed is committed to ensuring the safety and security our products. For more information on Abiomed's product cybersecurity program, please go to: ***https://www.abiomed.com/product-security***

Clinical Support Center 24 hours per day, 7 days a week:
+1 800-422-8666

Clinical Support Center
24 hours per day, 7 days a week:
1-800-422-8666 (US)

AIC-0125 v2

To learn more about the Impella platform of heart pumps, including important risk and safety information, visit: ***https://heartrecovery.com/important-safety-information***

This bulletin is intended for dissemination of technical information only.

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