

Spacelabs Healthcare | Eclipse Mini, 98900

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MPII-2.5	Does the device allow configuration to automatically delete local personally identifiable information after it is stored to a long term solution?	No	
MPII-2.6	Does the device import/export personally identifiable information with other systems (e.g., a wearable monitoring device might export personally identifiable information to a server)?	Yes	Eclipse Mini can optionally be configured with PII from Spacelabs Sentinel. If the device has been configured with PII it will support download of the same into Sentinel.
MPII-2.7	Does the device maintain personally identifiable information when powered off, or during power service interruptions?	Yes	—
MPII-2.8	Does the device allow the internal media to be removed by a service technician (e.g., for separate destruction or customer retention)?	No	—
MPII-2.9	Does the device allow personally identifiable information records be stored in a separate location from the device's operating system (i.e. secondary internal drive, alternate drive partition, or remote storage location)?	N/A	—
MPII-3	Does the device have mechanisms used for the transmitting, importing/exporting of personally identifiable information?	Yes	Configuration of the device and data download is conducted via a hardwired USB-C interface. Configuration with PII is optional and not required for device operation
MPII-3.1	Does the device display personally identifiable information (e.g., video display, etc.)?	No	
MPII-3.2	Does the device generate hardcopy reports or images containing personally identifiable information?	No	—
MPII-3.3	Does the device retrieve personally identifiable information from or record personally identifiable information to removable media (e.g., removable-HDD, USB memory, DVD-R/RW, CD-R/RW, tape, CF/SD card, memory stick, etc.)?	No	—
MPII-3.4	Does the device transmit/receive or import/export personally identifiable information via dedicated cable connection (e.g., RS-232, RS-423, USB, FireWire, etc.)?	Yes	Configuration of the device and data download is conducted via a USB-C interface. Configuration with PII is optional and not required for device operation
MPII-3.5	Does the device transmit/receive personally identifiable information via a wired network connection (e.g., RJ45, fiber optic, etc.)?	No	—
MPII-3.6	Does the device transmit/receive personally identifiable information via a wireless network connection (e.g., WiFi, Bluetooth, NFC, infrared, cellular, etc.)?	No	Although the device has a BLE interface this is used to only transfer details of event markers to a mobile phone application and does not support personally identifiable information Use of the interface of mobile app is not required for device functionality
MPII-3.7	Does the device transmit/receive personally identifiable information over an external network (e.g., Internet)?	No	—
MPII-3.8	Does the device import personally identifiable information via scanning a document?	No	
MPII-3.9	Does the device transmit/receive personally identifiable information via a proprietary protocol?	Yes	
MPII-3.10	Does the device use any other mechanism to transmit, import or export personally identifiable information?	No	—
Management of Private Data notes:			
AUTOMATIC LOGOFF (ALOF)			
<i>The device's ability to prevent access and misuse by unauthorized users if device is left idle for a period of time.</i>			
ALOF-1	Can the device be configured to force reauthorization of logged-in user(s) after a predetermined length of inactivity (e.g., auto-logoff, session lock, password protected screen saver)?	N/A	—
ALOF-2	Is the length of inactivity time before auto-logoff/screen lock user or administrator configurable?	N/A	—

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AUTH-4	Does the device authorize or control all API access requests?	N/A	—
AUTH-5	Does the device run in a restricted access mode, or 'kiosk mode', by default?	N/A	—
CYBER SECURITY PRODUCT UPGRADES (CSUP)			
<i>The ability of on-site service staff, remote service staff, or authorized customer staff to install/upgrade device's security patches.</i>			
CSUP-1	Does the device contain any software or firmware which may require security updates during its operational life, either from the device manufacturer or from a third-party manufacturer of the software/firmware? If no, answer "N/A" to questions in this section.	No	—
CSUP-2	Does the device contain an Operating System? If yes, complete 2.1-2.4.	N/A	—
CSUP-2.1	Does the device documentation provide instructions for owner/operator installation of patches or software updates?	N/A	—
CSUP-2.2	Does the device require vendor or vendor-authorized service to install patches or software updates?	N/A	—
CSUP-2.3	Does the device have the capability to receive remote installation of patches or software updates?	N/A	—
CSUP-2.4	Does the medical device manufacturer allow security updates from any third-party manufacturers (e.g., Microsoft) to be installed without approval from the manufacturer?	N/A	—
CSUP-3	Does the device contain Drivers and Firmware? If yes, complete 3.1-3.4.	N/A	—
CSUP-3.1	Does the device documentation provide instructions for owner/operator installation of patches or software updates?	N/A	—
CSUP-3.2	Does the device require vendor or vendor-authorized service to install patches or software updates?	N/A	—
CSUP-3.3	Does the device have the capability to receive remote installation of patches or software updates?	N/A	—
CSUP-3.4	Does the medical device manufacturer allow security updates from any third-party manufacturers (e.g., Microsoft) to be installed without approval from the manufacturer?	N/A	—
CSUP-4	Does the device contain Anti-Malware Software? If yes, complete 4.1-4.4.	N/A	—
CSUP-4.1	Does the device documentation provide instructions for owner/operator installation of patches or software updates?	N/A	—
CSUP-4.2	Does the device require vendor or vendor-authorized service to install patches or software updates?	N/A	—
CSUP-4.3	Does the device have the capability to receive remote installation of patches or software updates?	N/A	—
CSUP-4.4	Does the medical device manufacturer allow security updates from any third-party manufacturers (e.g., Microsoft) to be installed without approval from the manufacturer?	N/A	—
CSUP-5	Does the device contain Non-Operating System commercial off-the-shelf components? If yes, complete 5.1-5.4.	N/A	—
CSUP-5.1	Does the device documentation provide instructions for owner/operator installation of patches or software updates?	N/A	—
CSUP-5.2	Does the device require vendor or vendor-authorized service to install patches or software updates?	N/A	—
CSUP-5.3	Does the device have the capability to receive remote installation of patches or software updates?	N/A	—

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CSUP-5.4	Does the medical device manufacturer allow security updates from any third-party manufacturers (e.g., Microsoft) to be installed without approval from the manufacturer?	N/A	—
CSUP-6	Does the device contain other software components (e.g., asset management software, license management)? If yes, please provide details or reference in notes and complete 6.1-6.4.	N/A	—
CSUP-6.1	Does the device documentation provide instructions for owner/operator installation of patches or software updates?	N/A	—
CSUP-6.2	Does the device require vendor or vendor-authorized service to install patches or software updates?	N/A	—
CSUP-6.3	Does the device have the capability to receive remote installation of patches or software updates?	N/A	—
CSUP-6.4	Does the medical device manufacturer allow security updates from any third-party manufacturers (e.g., Microsoft) to be installed without approval from the manufacturer?	N/A	—
CSUP-7	Does the manufacturer notify the customer when updates are approved for installation?	N/A	—
CSUP-8	Does the device perform automatic installation of software updates?	N/A	—
CSUP-9	Does the manufacturer have an approved list of third-party software that can be installed on the device?	N/A	—
CSUP-10	Can the owner/operator install manufacturer-approved third-party software on the device themselves?	N/A	—
CSUP-10.1	Does the system have mechanism in place to prevent installation of unapproved software?	N/A	—
CSUP-11	Does the manufacturer have a process in place to assess device vulnerabilities and updates?	N/A	—
CSUP-11.1	Does the manufacturer provide customers with review and approval status of updates?	N/A	—
CSUP-11.2	Is there an update review cycle for the device?	N/A	—
HEALTH DATA DE-IDENTIFICATION (DIDT)			
<i>The ability of the device to directly remove information that allows identification of a person.</i>			
DIDT-1	Does the device provide an integral capability to de-identify personally identifiable information?	No	—
DIDT-1.1	Does the device support de-identification profiles that comply with the DICOM standard for de-identification?	No	—
DATA BACKUP AND DISASTER RECOVERY (DTBK)			
<i>The ability to recover after damage or destruction of device data, hardware, software, or site configuration information.</i>			
DTBK-1	Does the device maintain long term primary storage of personally identifiable information / patient information (e.g. PACS)?	No	—
DTBK-2	Does the device have a "factory reset" function to restore the original device settings as provided by the manufacturer?	No	—
DTBK-3	Does the device have an integral data backup capability to removable media?	No	—
DTBK-4	Does the device have an integral data backup capability to remote storage?	No	—
DTBK-5	Does the device have a backup capability for system configuration information, patch restoration, and software restoration?	No	—
DTBK-6	Does the device provide the capability to check the integrity and authenticity of a backup?	No	—

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NAUT-2	Are network access control mechanisms supported (E.g., does the device have an internal firewall, or use a network connection white list)?	No	—
NAUT-2.1	Is the firewall ruleset documented and available for review?	No	—
NAUT-3	Does the device use certificate-based network connection authentication?	No	—
CONNECTIVITY CAPABILITIES (CONN)			
<i>All network and removable media connections must be considered in determining appropriate security controls. This section lists connectivity capabilities that may be present on the device.</i>			
CONN-1	Does the device have hardware connectivity capabilities?	Yes	—
CONN-1.1	Does the device support wireless connections?	Yes	—
CONN-1.1.1	Does the device support Wi-Fi?	No	—
CONN-1.1.2	Does the device support Bluetooth?	Yes	—
CONN-1.1.3	Does the device support other wireless network connectivity (e.g. LTE, Zigbee, proprietary)?	No	—
CONN-1.1.4	Does the device support other wireless connections (e.g., custom RF controls, wireless detectors)?	No	—
CONN-1.2	Does the device support physical connections?	Yes	USB-C wired connection
CONN-1.2.1	Does the device have available RJ45 Ethernet ports?	No	—
CONN-1.2.2	Does the device have available USB ports?	Yes	Operation as USB peripheral only
CONN-1.2.3	Does the device require, use, or support removable memory devices?	No	—
CONN-1.2.4	Does the device support other physical connectivity?	No	—
CONN-2	Does the manufacturer provide a list of network ports and protocols that are used or may be used on the device?	No	—
CONN-3	Can the device communicate with other systems within the customer environment?	Yes	Connection with host PC via USB C cable for configuration and download
CONN-4	Can the device communicate with other systems external to the customer environment (e.g., a service host)?	No	—
CONN-5	Does the device make or receive API calls?	No	—
CONN-6	Does the device require an internet connection for its intended use?	No	—
CONN-7	Does the device support Transport Layer Security (TLS)?	No	—
CONN-7.1	Is TLS configurable?	N/A	—
CONN-8	Does the device provide operator control functionality from a separate device (e.g., telemedicine)?	No	—
PERSON AUTHENTICATION (PAUT)			
<i>The ability to configure the device to authenticate users.</i>			
PAUT-1	Does the device support and enforce unique IDs and passwords for all users and roles (including service accounts)?	No	—
PAUT-1.1	Does the device enforce authentication of unique IDs and passwords for all users and roles (including service accounts)?	No	—
PAUT-2	Is the device configurable to authenticate users through an external authentication service (e.g., MS Active Directory, NDS, LDAP, OAuth, etc.)?	No	—
PAUT-3	Is the device configurable to lock out a user after a certain number of unsuccessful logon attempts?	No	—
PAUT-4	Are all default accounts (e.g., technician service accounts, administrator accounts) listed in the documentation?	N/A	—
PAUT-5	Can all passwords be changed?	No	—
PAUT-6	Is the device configurable to enforce creation of user account passwords that meet established (organization specific) complexity rules?	No	—
PAUT-7	Does the device support account passwords that expire periodically?	No	—

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PAUT-8	Does the device support multi-factor authentication?	No	—
PAUT-9	Does the device support single sign-on (SSO)?	No	—
PAUT-10	Can user accounts be disabled/locked on the device?	No	—
PAUT-11	Does the device support biometric controls?	No	—
PAUT-12	Does the device support physical tokens (e.g. badge access)?	No	—
PAUT-13	Does the device support group authentication (e.g. hospital teams)?	No	—
PAUT-14	Does the application or device store or manage authentication credentials?	No	—
PAUT-14.1	Are credentials stored using a secure method?	No	—
PHYSICAL LOCKS (PLOK)			
<i>Physical locks can prevent unauthorized users with physical access to the device from compromising the integrity and confidentiality of personally identifiable information stored on the device or on removable media</i>			
PLOK-1	Is the device software only? If yes, answer "N/A" to remaining questions in this section.	No	—
PLOK-2	Are all device components maintaining personally identifiable information (other than removable media) physically secure (i.e., cannot remove without tools)?	Yes	—
PLOK-3	Are all device components maintaining personally identifiable information (other than removable media) physically secured behind an individually keyed locking device?	No	—
PLOK-4	Does the device have an option for the customer to attach a physical lock to restrict access to removable media?	No	—
ROADMAP FOR THIRD PARTY COMPONENTS IN DEVICE LIFE CYCLE (RDMP)			
<i>Manufacturer's plans for security support of third-party components within the device's life cycle.</i>			
RDMP-1	Was a secure software development process, such as ISO/IEC 27034 or IEC 62304, followed during product development?	Yes	—
RDMP-2	Does the manufacturer evaluate third-party applications and software components included in the device for secure development practices?	N/A	There are no 3rd party apps on the device
RDMP-3	Does the manufacturer maintain a web page or other source of information on software support dates and updates?	N/A	—
RDMP-4	Does the manufacturer have a plan for managing third-party component end-of-life?	N/A	—
SOFTWARE BILL OF MATERIALS (SBoM)			
<i>A Software Bill of Material (SBoM) lists all the software components that are incorporated into the device being described for the purpose of operational security planning by the healthcare delivery organization. This section supports controls in the RDMP section.</i>			
SBOM-1	Is the SBoM for this product available?	N/A	—
SBOM-2	Does the SBoM follow a standard or common method in describing software components?	N/A	—
SBOM-2.1	Are the software components identified?	N/A	—
SBOM-2.2	Are the developers/manufacturers of the software components identified?	N/A	—
SBOM-2.3	Are the major version numbers of the software components identified?	Yes	—
SBOM-2.4	Are any additional descriptive elements identified?	N/A	—
SBOM-3	Does the device include a command or process method available to generate a list of software components installed on the device?	No	—

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SBOM-4	Is there an update process for the SBoM?	N/A	—
SYSTEM AND APPLICATION HARDENING (SAHD)			
<i>The device's inherent resistance to cyber attacks and malware.</i>			
SAHD-1	Is the device hardened in accordance with any industry standards?	N/A	—
SAHD-2	Has the device received any cybersecurity certifications?	No	—
SAHD-3	Does the device employ any mechanisms for software integrity checking	Yes	The device has inbuilt CRC checks on all firmware
SAHD-3.1	Does the device employ any mechanism (e.g., release-specific hash key, checksums, digital signature, etc.) to ensure the installed software is manufacturer-authorized?	No	
SAHD-3.2	Does the device employ any mechanism (e.g., release-specific hash key, checksums, digital signature, etc.) to ensure the software updates are the manufacturer-authorized updates?	Yes	Firmware update software performs digital signature verification of firmware being installed
SAHD-4	Can the owner/operator perform software integrity checks (i.e., verify that the system has not been modified or tampered with)?	No	—
SAHD-5	Is the system configurable to allow the implementation of file-level, patient level, or other types of access controls?	N/A	—
SAHD-5.1	Does the device provide role-based access controls?	N/A	—
SAHD-6	Are any system or user accounts restricted or disabled by the manufacturer at system delivery?	N/A	—
SAHD-6.1	Are any system or user accounts configurable by the end user after initial configuration?	N/A	—
SAHD-6.2	Does this include restricting certain system or user accounts, such as service technicians, to least privileged access?	N/A	—
SAHD-7	Are all shared resources (e.g., file shares) which are not required for the intended use of the device disabled?	N/A	—
SAHD-8	Are all communication ports and protocols that are not required for the intended use of the device disabled?	N/A	—
SAHD-9	Are all services (e.g., telnet, file transfer protocol [FTP], internet information server [IIS], etc.), which are not required for the intended use of the device deleted/disabled?	N/A	—
SAHD-10	Are all applications (COTS applications as well as OS-included applications, e.g., MS Internet Explorer, etc.) which are not required for the intended use of the device deleted/disabled?	N/A	—
SAHD-11	Can the device prohibit boot from uncontrolled or removable media (i.e., a source other than an internal drive or memory component)?	N/A	—
SAHD-12	Can unauthorized software or hardware be installed on the device without the use of physical tools?	No	—
SAHD-13	Does the product documentation include information on operational network security scanning by users?	N/A	—
SAHD-14	Can the device be hardened beyond the default provided state?	No	—
SAHD-14.1	Are instructions available from vendor for increased hardening?	No	
SHAD-15	Can the system prevent access to BIOS or other bootloaders during boot?	N/A	
SAHD-16	Have additional hardening methods not included in 2.3.19 been used to harden the device?	No	—
SECURITY GUIDANCE (SGUD)			
<i>Availability of security guidance for operator and administrator of the device and manufacturer sales and service.</i>			

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SGUD-1	Does the device include security documentation for the owner/operator?	No	—
SGUD-2	Does the device have the capability, and provide instructions, for the permanent deletion of data from the device or media?	No	—
SGUD-3	Are all access accounts documented?	N/A	—
SGUD-3.1	Can the owner/operator manage password control for all accounts?	N/A	—
SGUD-4	Does the product include documentation on recommended compensating controls for the device?	N/A	—
HEALTH DATA STORAGE CONFIDENTIALITY (STCF)			
<i>The ability of the device to ensure unauthorized access does not compromise the integrity and confidentiality of personally identifiable information stored on the device or removable media.</i>			
STCF-1	Can the device encrypt data at rest?	No	—
STCF-1.1	Is all data encrypted or otherwise protected?	No	—
STCF-1.2	Is the data encryption capability configured by default?	No	—
STCF-1.3	Are instructions available to the customer to configure encryption?	No	—
STCF-2	Can the encryption keys be changed or configured?	No	—
STCF-3	Is the data stored in a database located on the device?	No	Data is stored in a proprietary format on internal memory
STCF-4	Is the data stored in a database external to the device?	No	—
TRANSMISSION CONFIDENTIALITY (TXCF)			
<i>The ability of the device to ensure the confidentiality of transmitted personally identifiable information.</i>			
TXCF-1	Can personally identifiable information be transmitted only via a point-to-point dedicated cable?	Yes	—
TXCF-2	Is personally identifiable information encrypted prior to transmission via a network or removable media?	N/A	—
TXCF-2.1	If data is not encrypted by default, can the customer configure encryption options?	N/A	—
TXCF-3	Is personally identifiable information transmission restricted to a fixed list of network destinations?	N/A	—
TXCF-4	Are connections limited to authenticated systems?	N/A	—
TXCF-5	Are secure transmission methods supported/implemented (DICOM, HL7, IEEE 11073)?	N/A	—
TRANSMISSION INTEGRITY (TXIG)			
<i>The ability of the device to ensure the integrity of transmitted data.</i>			
TXIG-1	Does the device support any mechanism (e.g., digital signatures) intended to ensure data is not modified during transmission?	No	—
TXIG-2	Does the device include multiple sub-components connected by external cables?	No	—
REMOTE SERVICE (RMOT)			
<i>Remote service refers to all kinds of device maintenance activities performed by a service person via network or other remote connection.</i>			
RMOT-1	Does the device permit remote service connections for device analysis or repair?	No	—
RMOT-1.1	Does the device allow the owner/operator to initiate remote service sessions for device analysis or repair?	N/A	—

