

PRODUCTS COVERED	PATIENT MONITORING
TITLE	PATIENT MONITORING SYSTEM COMPATIBILITY
SUBTITLE	N/A
NUMBER	077-0325-00 Rev. AI
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## 1 Purpose

This document is intended to provide information on Spacelabs Patient Monitoring product compatibility and summarize requirements for interoperability.

For additional details, refer to appropriate Spacelabs Patient Monitoring product and technical documentation.

## 2 Solution

### Document Reference Key:

- Indicates supported
- X indicates not supported
- Grey background indicates End-of-Sale product

“Notes” provide additional details relevant to the content area

Software revisions with “xx” at the end of a version number (e.g., “3.04.xx”) denotes all minor revisions which are compatible (e.g., 3.04.00, 3.04.01 ...).

## 3 Background Information

### High Level Product Compatibility Overview

Please see individual product sections for additional details

CURRENT SYSTEM	COMPATIBLE WITH:
XprezNet 2.0.1*	XTR 1.1.1, XTR 1.2.1, XTR 1.3.0, XTR 1.4.0, XTR 1.4.1, XTR 1.4.2* Cmd Mod 2.08, Cmd Mod 2.10*, Xprezzon, Qube, Qube Mini 3.08.03, 4.0.2, 4.20.0*, Nalpeiron version 10, SNS v5.8, Layer 3 XTR
Xhibit 1.6.0*	XTR 1.1.1, XTR 1.2.1, XTR 1.3.0, XTR 1.4.0, XTR 1.4.1, XTR 1.4.2* Cmd Mod 2.08, Cmd Mod 2.10*, Xprezzon, Qube, Qube Mini 3.08.03, 4.0.2, 4.20.0*, Layer 3 XTR, Nalpeiron version 10
ICS 5.6.2*	XTR 1.1.1, XTR 1.2.1, XTR 1.3.0, XTR 1.4.0, XTR 1.4.1, XTR 1.4.2* Cmd Mod 2.08, Cmd Mod 2.10*, Xprezzon, Qube, Qube Mini 3.08.03, 4.0.2, 4.20.0*, Layer 3 XTR, Xhibit 1.5.1, 1.5.2 (Note 3.3), 1.6.0*

'\*\*' Indicates the latest released software version for each product in the table as of release of this document. The following will require an upgrade to the latest release:

- 3.1 Any licensing change will require Xhibit to go to 1.3.3 or higher and XprezNet to go to 1.3.5 or higher due to Nalpeiron End-Of-Life version 7 and Spacelabs moving to Nalpeiron version 10.
- 3.2 Xhibit and ICS corrects data issues causing waveforms to carry over to incorrect files during CA printing. To correct this, customers should be at ICS 5.4.0 or higher and Xhibit 1.3.3 or higher.
- 3.3 Xhibit v1.5.2 is compatible with Xhibit 96102 only. **Xhibit XC4 96501 is not compatible with Xhibit v1.5.2.**

For optimal system performance, customers should be at the latest SW versions of our product lines.

## 4 Procedure

### High Level Deployment Overview

Xhibit 1.6.0, XTR 1.4.2, and ICS 5.6.2 software is released, to update your system, you will need to:

- 4.1 Update the Xhibits first (Xhibit is backward compatible and so can run previous ICS versions until the database is updated)
- 4.2 Update the XTRs to 1.4.2 after Xhibits are updated. See XTR v1.4.2 release PSN for instructions on updating.
- 4.3 Update ICS to 5.6.2. ICS PSN document includes upgrade options for previous ICS versions.
- 4.4 Push the 5.6.2 Clinical Access clients, when ICS 5.6.2 update is complete.
- 4.5 New Xhibits will need to be manually synced to the 5.6.2 database to apply organizational structures. All Xhibits will need a software restart to enable the Clinical Access 5.6.2 client.

## SPACELABS PATIENT MONITORING PRODUCT IDENTIFICATION REFERENCE

PATIENT & TELEMETRY MONITORS	MODEL NUMBER
Xprezton®	91393
Qube®	91390
Qube MiniT®	91389
Aria® Telemetry	96281
DM4	91331
DM3	91330
Elance	93300
Ultraview SL2200	91367
Ultraview SL2400	91369
Ultraview SL2600	91370
Ultraview SL2700	91387-27
Ultraview SL2800	91387-28
Ultraview SL2900	91387-29
Ultraview SL3800	91387-38
Ultraview SL3900	91387-39
Ultraview SL Telemetry	90478

Commented [RU1]: End of sale

<b>PATIENT &amp; TELEMETRY MONITORS</b>	<b>MODEL NUMBER</b>
Ultraview SL Telemetry transmitters	90341, 90343, 90347, 91341, 91343, 91347
<b>CONNECTIVITY SOLUTIONS</b>	
Xhibit®	96102
Xhibit® XC4	96501
Elance® Central	93900
Xhibit® Telemetry Receiver (XTR)	96280
XprezzNet®	96190
Intesys® Clinical Suite (ICS)	92810, 92842, 92843, 92848, 92876, 92877, 92880, 92881
<b>PARAMETER MODULES</b>	
Command Module	90496
EEG	90481
Command Module	91496
SvO2/ScvO2	91424
MultiGas	91518
Capnography	91517
Capno Pod	92516
Capnography	92517
MultiGas	92518
Bispectral Index (BisX)	91482

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1 MONITOR NETWORK FEATURES COMPATIBILITY

		MONITORS – VIEWING DESTINATION					
		UVSL 2200/2400/ 2600 Note 1.4	UVSL 2700/2800/ 2900 Note 1.4	UVSL 3800/3900 Tele Note 1.4	91390 Qube	91393 Xprezzon	91389 Qube Mini
MONITORS – VIEWING SOURCE	UVSL 2200/2400/ 2600	● Note 1.2	● Note 1.2	● Note 1.1	● Note 1.2	● Note 1.2	● Note 1.2
	UVSL 2700/2800/ 2900	● Note 1.2	● Note 1.2	● Note 1.1	● Note 1.2	● Note 1.2	● Note 1.2
	UVSL 3800/3900	● Note 1.1	● Note 1.1	● Note 1.2	● Note 1.1	● Note 1.1	● Note 1.2
	91390 Qube	● Note 1.2	● Note 1.2	● Note 1.2	● Note 1.2	● Note 1.2	● Note 1.2
	91393 Xprezzon	● Note 1.2	● Note 1.2	● Note 1.2	● Note 1.2	● Note 1.2	● Note 1.2
	91389 Qube Mini	● Note 1.3	● Note 1.3	● Note 1.3	● Note 1.3	● Note 1.3	● Note 1.3

**Notes:**

- 1.1 Supports Remote View, Alarm Watch, Remote Trends, Patient ADT (admit/discharge).
- 1.2 Supports Remote View, Remote Trends and Alarm Watch.
- 1.3 Supports Remote View and Alarm Watch.
- 1.4 **IMPORTANT NOTE** – UVSL software version **MUST BE 2.03.13** to remote view from or to Qube/Qube Mini/Xprezzon software version 3.04.00 or greater.

2 MONITOR AND MODULES

		MONITORS					
		UVSL 2200/2400/ 2600	UVSL 2700/2800/ 2900	UVSL 3800/3900 Note 2.1	91393 Xprezzon	91390 Qube	91389 Qube Mini Note 2.2, 2.3
MEASUREMENT MODULES	90496 Command Module	●	●	●	●	●	●
	91496 Command Module	●	●	●	●	●	●
	91517 Capnography	●	●	●	●	x	x
	91424 SvO2/ScvO2	●	●	●	●	●	●
	92516 Capno Pod	x	x	x	x	●	●
	92517 Capnography	●	●	●	●	●	●
	91518 MultiGas	●	●	●	●	x	x
	92518 MultiGas	●	●	●	●	●	●
	91482 BIS-x	●	●	●	●	●	●
	90481 EEG	●	●	●	x	x	x

Notes:

- 2.1 The only module which can be directly attached to the UVSL Central is the 90478 Digital Telemetry Receiver module. All other modules parameters will display correctly as a remote view in either a split or full width zone on the UVSL Central.
- 2.2 The 91389 Qube mini does not support a connection to an external SDLC device, which means it does not support the direct attachment of any of the Flexports. This is the reason the Flexports indicated are not compatible with the 91389 in the table. However, a Flexport physically attached to another monitor, such as a 91393 Xprezzon can be successfully remote viewed on a 91389 Qube mini.
- 2.3 As there is no means to connect a module expansion housing, there is only a single module bay available in a 91389. Although the table indicates compatibility with multiple modules, the Qube mini supports single module use only.

3 XPREZZON / QUBE SOFTWARE AND COMMAND MODULES FEATURE COMPATIBILITY

91496 COMMAND MODULE (AS OF SOFTWARE REVISION ≥ 2.07.XX)	91393 XPREZZON / 91390 QUBE MONITORS				91389 QUBE MINI	UVSL MONITORS
	SOFTWARE REVISIONS					
	3.04.00	3.05.10	3.06.00	3.07.00 – 4.20.0	3.07.00 – 4.20.0	2.03.14
ALARM HISTORY WAVEFORM DISPLAY (30/6 SECONDS)	x	x	●	●	●	x
CARDIAC BYPASS FEATURE	x	x	●	●	x	x
CHECK SETUP NOW A MEDIUM ALARM	●	●	●	●	●	●
DISCHARGE ON STANDBY	x	x	●	●	●	x
ECG GAIN INDICATORS	x	x	Note 3.1	Note 3.1	Note 3.1	x
ECG: HR EXIT HYSTERESIS PACER LOW-RATE DEFAULTS ASYS AND VFIB REC=NO HR START/ STOP DELAY NEO ALARM TYPE	● Note 3.1	● Note 3.1	● Note 3.1	● Note 3.1	● Note 3.1	● Note 3.1
ENHANCED HELP-HELP	x	x	●	●	●	x
RESP RATE AVERAGING	● Note 3.1	● Note 3.1	● Note 3.1	● Note 3.1	● Note 3.1	● Note 3.1
IBP: ART2 AND ART3: TRENDS, VITALS AND CUSTOM RECORDINGS, LARGE NUMERICS, SCALES	x	x	● Note 3.4	● Note 3.4	●	x
IBP: ART2 AND ART3 LABELS, CATHETER DISCONNECT ALARM, TRANSDUCER DISCONNECT ALARM, OUT-OF-RANGE ALARM	● Note 3.4	● Note 3.4	● Note 3.4	● Note 3.4	● Note 3.4	● Note 3.4
MONITOR-INITIATED DATA- SHUTTLE	x	x	●	●	●	x
NIBP: ONE-TOUCH AUTO MODE 2.5 MINUTE INTERVAL DATE IN REVIEW WINDOW ADULT/PED4 MEAN LOW LIMIT CHANGE	● Note 3.3	● Note 3.3	● Note 3.3	● Note 3.3	● Note 3.3	● Note 3.3
POWER LOSS ALARM DELAY SETTING	x	x	●	●	●	x
RENAL CALCULATIONS	x	x	●	●	●	●

91496 COMMAND MODULE (AS OF SOFTWARE REVISION ≥ 2.07.XX)	91393 XPREZZON / 91390 QUBE MONITORS					91389 QUBE MINI	UVSL MONITORS
	SOFTWARE REVISIONS						
	3.04.00	3.05.10	3.06.00	3.07.00 – 4.20.0	3.07.00 – 4.20.0	2.03.14	
SAVE ERROR LOG TO USB	x	x	●	●	●	x	
SECOND TOUCHSCREEN FOR QUBE	x	x	●	●	x	x	
SUPPORT FOR SPO2D	x	x	● Note 3.2	● Note 3.2	● Note 3.2	x	
TEMP SITE LABELS	●	●	●	●	●	●	
<b>91496 2.08.00</b>							
12-LEAD REPORTS MAY BE GENERATED WHEN NOT ALL LEAD WIRES ARE ATTACHED	●	●	●	●	●	●	
<b>91496 2.10</b>							
IMPROVEMENTS TO NIBP AUTO MEASUREMENTS	●	●	●	●	●	●	
PACED BEATS DETECTION IN NOISY ENVIRONMENT	●	●	●	●	●	●	

**Notes:**

- 3.1 Requires 91496-A, -B, or -C
- 3.2 Requires 91496-L provides a secondary SpO2 measurement, designed for use with a primary 91496 Command Module. Temperatures are shown as TEMP3 and TEMP4.
- 3.3 Requires 91496-A, -B, -C or -I
- 3.4 Requires 91496-B, -C, or -L



4 MODULES SUPPORTED WITH XHIBIT CENTRAL / XPREZZNET / ICS

	96102 XHIBIT / 96501 XC4 (XC4 SW REVISION >1.2.1)					96190 XPREZZNET			INTESYS CLINICAL SUITE (ICS)					
	SOFTWARE REVISIONS													
	1.0	1.1.xx	1.2.xx	1.3.xx	1.4.x 1.5.x 1.6.x	1.0/1.1	1.2	1.3.x/ 1.4.x/ 2.0.x	4.02.02/ 4.03.xx	5.00.00/ 5.01.00	5.02. xx	5.3.0/ 5.4.0/ 5.5.0	5.6.x	
90496	● Note 4.9	● Note 4.9	● Note 4.9	● Note 4.9	● Note 4.9	● Note 4.9	● Note 4.9	● Note 4.9	●	●	●	●	●	
91496-A, -B, -C, -I ≤ 2.06.XX	● Note 4.1	● Note 4.2	● Note 4.3	● Note 4.3	● Note 4.3	● Note 4.1	● Note 4.2	● Note 4.3	●	●	●	●	●	
91496-A, -B, -C, -I 2.07.XX	x	x	●	●	●	x	x	●	x	x	●	●	●	
91496-L 2.06.00	x	x	●	●	●	x	x	●	● Note 4.7	● Note 4.7	● Note 4.7	● Note 4.7	● Note 4.7	
91496-L 2.07.XX	x	x	●	●	●	x	x	●	x	x	●	●	●	
91496-A, B, C, I, L 2.08.XX, 2.10.XX	x	x	x	●	●	x	x	● Note 4.6	x	x	x	●	●	
91517 CAPNOGRAPHY SOFTWARE REVISIONS 1.00.11 OR 1.00.12	●	●	●	●	●	●	●	●	●	●	●	●	●	
91424 SVO2/SCVO2	● Note 4.4	● Note 4.4	● Note 4.5	● Note 4.5	● Note 4.5	● Note 4.4	● Note 4.5	● Note 4.5	●	●	●	●	●	
92516 CAPNO POD SOFTWARE REVISION 1.00.01 NOTE 4.10	●	●	●	●	●	● Note 4.8	●	●	●	●	●	●	●	
92517 CAPNOGRAPHY SOFTWARE REVISION 1.00.00	●	●	●	●	●	● Note 4.8	●	●	●	●	●	●	●	
91518 MULTIGAS SOFTWARE REVISION 1.00.16 OR 1.00.17	x	x	x	x	x	● Note 4.8	●	●	x	●	●	●	●	

	96102 XHIBIT / 96501 XC4 (XC4 SW REVISION >1.2.1)					96190 XPREZZNET			INTESYS CLINICAL SUITE (ICS)				
	SOFTWARE REVISIONS												
	1.0	1.1.xx	1.2.xx	1.3.xx	1.4.x 1.5.x 1.6.x	1.0/1.1	1.2	1.3.x/ 1.4.x/ 2.0.x	4.02.02/ 4.03.xx	5.00.00/ 5.01.00	5.02. xx	5.3.0/ 5.4.0/ 5.5.0	5.6.x
92518 MULTIGAS SOFTWARE REVISION 1.00.01	x	x	x	x	x	● Note 4.8	●	●	●	●	●	●	●
91482 BIS-X SOFTWARE REVISION 1.00.18	x	x	x	x	x	●	●	●	●	●	●	●	●
90481 EEG	x	x	x	x	x	x	x	x	●	●	●	●	●

**Notes:**

- 4.1 Supports 91496 software revisions 2.02.04, 2.03.05, 2.03.06, 2.04.00, 2.04.01, or 2.04.03
- 4.2 Supports 91496 software revisions 2.02.04, 2.03.05, 2.03.06, 2.04.xx, or 2.05.xx
- 4.3 Supports 91496 software revisions 2.02.04, 2.03.05, 2.03.06, 2.04.xx, 2.05.xx, 2.06.xx, and 2.07.00
- 4.4 Supports 91424 software revision 1.00.03
- 4.5 Supports 91424 software revision 1.00.03 or 1.00.05
- 4.6 Supports 96190 software revision 1.3.4 and above
- 4.7 If two SpO2 channels are present, the SpO2 waveforms may not match the SpO2 numeric values in the ICS waveform and bedside views.
- 4.8 XprezzNet release 1.1 added support for the following additional devices and versions, which are not supported in XprezzNet 1.0:
  - 92516 Capno pod
  - 92517 Capno module
  - 91518/92518 Multigas modules
- 4.9 Only 1.02.28 – NOT ECG or RESP
- 4.10 Although the 92516 Capno Pod can only be directly attached to the 91390-A,B Qube and 91389 Qube mini monitors, it can be successfully remote viewed on other models of monitors.

5 EXERGEN TEMPORAL ARTERY THERMOMETER

		MONITORS					
		UVSL 2200/2400/ 2600	UVSL 2700/2800/ 2900	UVSL 3800/3900	91390 QUBE	91393 XPREZZON	91389 QUBE MINI
91449 RECORDER/PRINTER		● Note 5.1	● Note 5.1	● Note 5.1	● Note 5.2	● Note 5.2	● Note 5.4
EXERGEN TEMPORAL ARTERY THERMOMETER		x	x	x	● Note 5.3	● Note 5.3	● Note 5.3

96501 XC4	96102 XHIBIT				96190 XPREZZNET				INTESYS CLINICAL SUITE			
SOFTWARE REVISIONS												
1.2.1 - 1.6.X	1.0/ 1.1.XX/ 1.2.XX	1.3.X	1.4.X/ 1.5.X/ 1.6.X	1.0	1.1	1.2	1.3.X/ 1.4.X/ 2.0.X	4.02.02/ 4.03.XX	5.00.00/ 5.01.00/ 5.02.XX	5.3.0 / 5.4.0/ 5.5.0	5.6.X	
EXERGEN TEMPORAL ARTERY THERMOMETER	x	x	x	x	x	x	x	x	x	x	x	●

**Notes:**

- 5.1 Requires software revision ≥ 2.03.11
- 5.2 Requires software revision ≥ 3.03.00
- 5.3 Requires software revision ≥ 3.07.00. Episodic temperature values reported by an Exergen Temporal Artery Thermometer (part number 010-2157-00), which is connected via USB cable, are stored in the monitor and displayed in Trends.
- 5.4 Requires software revision ≥ 3.07.00

6 TELEMETRY

		MONITORS					
		UVSL 2200/2400/ 2600	UVSL 2700/2800/ 2900	UVSL 3800/3900	91390 QUBE	91393 XPRESSON	91389 QUBE MINI
RECEIVERS	90478 TELEMETRY RECEIVER	●	●	● Note 6.1	●	●	●
	96280 XHIBIT TELEMETRY RECEIVER SOFTWARE REVISION 1.0.2	x	x	x	x	x	X
	96280 XHIBIT TELEMETRY RECEIVER SOFTWARE REVISION 1.1.1 AND 1.2.X SEE 6.3	x	x	x	● Note 6.2	● Note 6.2	● Note 6.2
	96280 XHIBIT TELEMETRY RECEIVER SOFTWARE REVISION 1.3.0 AND 1.4.X	x	x	x	● Note 6.4	● Note 6.4	● Note 6.4

**Notes:**

- 6.1 UVSL 3800/3900 supports Remote View in split or full width zones. UVSL monitors support Remote View, Remote Trends and Alarm Watch with 90478 Telemetry.
- 6.2 Requires Xprezzon and Qube Software revision ≥ 3.06.00. Qube Mini requires Software revision ≥ 3.07.00. 91393 Xprezzon, 91390 Qube, and 91389 Qube Mini monitors, the Remote View of 96280 Xhibit Telemetry Receiver beds provides user controls for selecting the lead to view and adjusting the waveform size and sweep speed of the viewed lead. Alarm Watch is not supported for 96280 Xhibit Telemetry Receiver beds.
- 6.3 Software version 1.1.1 for the 96280 Xhibit Telemetry Receiver (XTR) added support for remote viewing a telemetry waveform, vitals, and alarms at 91393 Xprezzon, 91390 Qube, and 91389 Qube mini monitors. At the bedside monitor, the remote view of the telemetry bed provides user controls for selecting the lead to view and adjusting the waveform size and sweep speed of the viewed lead. No other user controls, such as for alarm settings adjustment, are available at the remote view.

For this feature to work, the 96280 XTR system must be deployed using the Spacelabs Layer 3 Network topology.

The bedside Xprezzon, Qube, or Qube mini monitor **must have software version 3.06.00 or higher to remote view data from a 96280 XTR bed**. On Xprezzon or Qube monitors with software version 3.05.10 or lower and on all UVSL monitors, the XTR beds will be present in the remote view selection GUI but if selected will generate a message similar to “There are no parameters active on the bed”.

With monitor software versions prior to 3.08.02, the 96280 XTR beds will be present and selectable in the alarm watch selection GUI on the bedside monitors. However, none of the alarms from an XTR bed will activate an alarm watch view at any bedside.

The user will not have access to XTR data trends from any bedside monitor.

6.4 Software version 1.3.0 and above for the 96280 Xhibit Telemetry Receiver adds support for using the telemetry transmitter channel number when selecting a telemetry bed in a monitor’s remote view GUI. When enabled in the XTR service tool, the “Enable search by transmitter id” option adds the transmitter channel numbers to the bed list included in the configuration packets broadcast by the 92680 remote view service. Monitor software version 4.0.2 and above adds a keypad to the remote view bed selection GUI so the user can select the telemetry bed using the transmitter channel number rather than scrolling through the bed list. The modifications to the configuration packet to support this feature impacts compatibility between XTR remote view service and the monitors. When the “search by transmitter id” option is enabled on an XTR receiver, only monitors with software version 3.08.02 or higher will show the telemetry beds from that XTR receiver in the remote view selection GUI.

TELEMETRY SUB-SYSTEM COMPATIBILITY LIST

Transmitters	Display	Parameters	FREQUENCIES							TELEMETRY RECEIVERS	
			174-216 MHz	402-470 MHz	433-435 MHz G-band	442 & 446 MHz H-band	608-614 MHz Q-band	1395-1400 MHz T-band	1427-1431 MHz V-band	90478	96280
90341	X	ECG	●	●	x	x	●	x	x	●	608-614 only
90343	X	ECG+SPO2	x	x	x	x	●	x	x	●	●
90347	X	ECG	●	x	x	x	●	x	x	●	608-614 only
91341-09	X	ECG	x	x	x	x	x	●	x	●	●
91343-09	X	ECG+SPO2	x	x	x	x	x	●	x	●	●
91347-09 WIDE BAND	X	ECG	x	x	x	x	x	●	x	●	●
96281-A05N	X	ECG	x	x	x	x	●	x	x	●	●
96281-B05N	●	ECG	x	x	x	x	●	x	x	●	●
96281-A05W	X	ECG	x	x	x	x	●	x	x	●	●
96281-B05W	●	ECG	x	x	x	x	●	x	x	●	●
96281-C05W	●	ECG+SPO2	x	x	x	x	●	x	x	●	●
96281-A32N	X	ECG	x	x	●	x	x	x	x	●	●
96281-B32N	●	ECG	x	x	●	x	x	x	x	●	●
96281-A32W	X	ECG	x	x	●	x	x	x	x	x	●
96281-B32W	●	ECG	x	x	●	x	x	x	x	x	●
96281-C32W	●	ECG	x	x	●	x	x	x	x	x	●
96281-A48N	X	ECG	x	x	x	●	x	x	x	x	●
96281-B48N	●	ECG+SPO2	x	x	x	●	x	x	x	x	●
96281-A09N	X	ECG	x	x	x	x	x	●	●	●	●
96281-B09N	●	ECG	x	x	x	x	x	●	●	●	●
96281-A09W	X	ECG	x	x	x	x	x	●	●	●	●
96281-B09W	●	ECG	x	x	x	x	x	●	●	●	●

96281-C09W	●	ECG+SPO2	x	x	x	x	x	●	●	●	●
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7 XHIBIT TELEMETRY RECEIVER LAYER 3 NETWORK

Layer 3 Network enables the 96280 Xhibit Telemetry Receiver to communicate with hospital devices using a Layer 3 boundary switch rather than requiring a dedicated network between the Xhibit Telemetry Receivers and associated Xhibit Centrals and Data Loaders (for ICS).

	SOFTWARE REVISION	LAYER 3 NETWORK
96102 XHIBIT	1.0/1.1.xx	x
	1.2.xx	●
	1.3.xx	●
	1.4.0/1.5.x/1.6.x	●
96501 XC4	1.2.1/1.3.x/1.4.x/1.5.0/1.5.1/1.6.x	●
96280 XHIBIT TELEMETRY RECEIVER	1.0.x	x
	1.1.1	●
	1.2.x	●
	1.3.0/1.4.x	●
96190 XPREZZNET	1.0/1.1/1.2	x
	1.3.xx	x
	1.4.x	●
	2.0.x	●
INTESYS CLINICAL SUITE (92810, 92842, 92843, 92848, 92876, 92877, 92880, 92881)	4.xx	x
	5.00.00/5.01.00	x
	5.02.xx	x
	5.3.0	●
	5.4.0	●
	5.5.0	●
	5.6.x	●

8 DM3/DM4 VITAL SIGNS MONITOR

91330 DM3 and 91331 DM4 support Intesys Clinical Suite only.

9 INTESYS CLINICAL SUITE AND XHIBIT 96102

		INTESYS CLINICAL SUITE							
REVISION	4.XX	5.00.00	5.01.00	5.02.XX	5.3.0	5.4.0	5.5.X	5.6.X	
96102 XHIBIT	1.0	●	x	x	x	x	x	x	
	1.1.0	x	●	x	x	x	x	x	
	1.1.1	x	x	●	x	x	x	x	
	1.1.2	●	●	●	x	x	x	x	
	1.1.3	●	●	●	●	x	x	x	
	1.1.5	●	●	●	●	x	x	x	
	1.1.6	●	●	●	●	x	x	x	
	1.2.0	●	●	●	●	x	x	x	
	1.2.1	●	●	●	●	x	x	x	
	1.3.0	●	●	●	●	●	x	x	
	1.3.1	●	●	●	●	●	x	x	
	1.3.2	●	●	●	●	●	x	x	
	1.3.3	●	●	●	●	●	●	x	
	1.3.4	●	●	●	●	●	●	x	
	1.3.5	●	●	●	●	●	●	●	
	1.4.0	●	●	●	●	●	●	●	
	1.5.0	●	●	●	●	●	●	●	
	1.5.1	●	●	●	●	●	●	●	
	1.5.2	●	●	●	●	●	●	●	
1.6.0	●	●	●	●	●	●	●		

10 XHIBIT HW PLATFORM TO SW COMPATIBILITY

		XHIBIT HW PLATFORM		
		96501	96102	96102- PREMIO
XHIBIT SOFTWARE	1.3.5	●	●	x
	1.5.0	●	●	x
	1.5.1	●	●	x
	1.5.2	x	●	x
	1.6.0	●	●	●

11 MONITORS SUPPORTED WITH XHIBIT CENTRAL / XPREZZNET / INTESYS CLINICAL SUITE

		96501 XC4	96102 XHIBIT				96190 XPREZZNET				INTESYS CLINICAL SUITE (ICS)			
		SOFTWARE REVISIONS												
		1.2.1 – 1.5.1/ 1.6.x	1.0	1.1.x x	1.2.xx/ 1.3.xx	1.4.0/ 1.5.x 1.6.x	1.0	1.1	1.2	1.3.x/ 1.4.x/ 2.0.x	4.02.02/ 4.03.xx	5.00.00/ 5.01.00/ 5.02.03	5.3.0/ 5.4.0/ 5.5.0	5.6.x
MONITORS	UVSL 2200/2400 / 2600	● Note 11.1	● Note 11.1	● Note 11.1	● Note 11.1	● Note 11.1	● Note 11.1	● Note 11.1	● Note 11.1	● Note 11.1	●	●	●	●
	UVSL 2700/2800 / 2900	● Note 11.1	● Note 11.1	● Note 11.1	● Note 11.1	● Note 11.1	● Note 11.1	● Note 11.1	● Note 11.1	● Note 11.1	●	●	●	●
	USVL 3800/ 3900	x	x	x	x	x	x	x	x	x	●	●	●	●
	91393 Xprezzon/ 91390 Qube	● Note 11.2	● Note 11.7	● Note 11.7	● Note 11.3	● Note 11.3	● Note 11.6	● Note 11.2	● Note 11.2	● Note 11.3	●	●	●	●
	91389 Qube Mini	● Note 11.5	x	x	● Note 11.5	● Note 11.5	x	x	x	● Note 11.4	●	●	●	●
	91330 DM3	x	x	x	x	x	x	x	x	x	●	●	●	●
	91331 DM4	x	x	x	x	x	x	x	x	x	●	●	●	●
	96280 XHIBIT TELEMETRY RECEIVER SOFTWARE REVISION 1.0.2	●	x	●	●	● Note 11.8	x	x	●	●	x	●	●	●
	96280 XHIBIT TELEMETRY RECEIVER SOFTWARE REVISION 1.1.1 AND 1.2.1	● Note 11.8	x	x	●	● Note 11.8	x	x	x	● Note 11.9	x	●	●	●



	96501 XC4	96102 XHIBIT				96190 XPRESSNET				INTESYS CLINICAL SUITE (ICS)			
	SOFTWARE REVISIONS												
	1.2.1 – 1.5.1/ 1.6.x	1.0	1.1.x x	1.2.xx/ 1.3.xx	1.4.0/ 1.5.x 1.6.x	1.0	1.1	1.2	1.3.x/ 1.4.x/ 2.0.x	4.02.02/ 4.03.xx	5.00.00/ 5.01.00/ 5.02.03	5.3.0/ 5.4.0/ 5.5.0	5.6.x
96280 XHIBIT TELEMETRY RECEIVER SOFTWARE REVISION 1.3.0 AND 1.4.X	● Note 11.8	x	x	● Note 11.8	● Note 11.8	x	x	x	● Note 11.9	x	●	●	●

**Notes:**

- 11.1 Requires software revision 2.03.11, 2.03.13, 2.03.14.
- 11.2 Requires software revision 3.03.00, 3.04.xx, or 3.05.xx.
- 11.3 Supports software revisions 3.03.00, 3.04.xx to 4.20.0.
- 11.4 XprezzNet ≥ 1.3.2 supports software revision 3.07.xx to 4.20.0 only.
- 11.5 Supports software revisions 3.07.xx to 4.20.0.
- 11.6 Supports software revision 3.03.xx.
- 11.7 Supports software revision 3.03.xx, 3.04.xx, and 3.05.xx. Xhibit Central Station 96102 version 1.0 does not support the alarm acknowledge feature present in Xprezzon/Qube software versions 3.04.xx and 3.05.xx; also, Xhibit will show “No Data” while monitor is in Standby.
- 11.8 XTR v1.3.0/1.4.x includes improved Telemetry standby that is compatible with Xhibit v1.4.x and above, XTR v 1.3.0/1.4.x can be used with Xhibit v1.3.x, but Telemetry Standby functionality will not be available.
- 11.9 Requires XprezzNet software revisions ≥ 1.3.2.

12 SAFENSOUND TO XPREZZNET COMPATIBILITY

96180 SAFENSOUND	REVISION	96190 XPREZZNET		
		≤ 1.3.5	1.3.6	2.0.X
	≤ 5.8	x	●	x
	5.8 and above	x	x	●

13 FLEXPORTR DEVICE INTERFACING

FLEXPORTR REVISION	DEVICE REVISION	96190 XPRESSNET				INTESYS CLINICAL SUITE (ICS)				
		1.0	1.1	1.2	1.3.x/ 1.4.x/ 2.0.x	4.02.02 / 4.03.xx	5.00.00/ 5.01.00/ 5.02.02/ 5.2.3	5.3.0/ 5.4.0/ 5.5.0	5.6.x	
<b>BD/CAREFUSION</b>										
91436C Viasys Avea	1.00.02-002	3.9B	x	x	x	x	●	●	●	●
91436C Viasys Vela	1.00.02-002	2.02.08	x	x	x	x	●	●	●	●
<b>DRÄGER</b>										
91443C Apollo/ Primus/ Primus IE	1.00.01	4.50, 4.51, Medibus 6.00, Medibus. X	x	x	● Note 13.1, 13.5	● Note 13.1, 13.5	● Note 13.1	● Note 13.1	● Note 13.1	● Note 13.1
91443C Perseus	1.00.01	V 1.12 OS, Medibus. X Protocol	x	x	● Note 13.1, 13.5	● Note 13.1, 13.5	● Note 13.1	● Note 13.1	● Note 13.1	● Note 13.1
<b>EDWARDS</b>										
91439B Vigilance II	1.00.00, 1.00.01-002	v.0056	x	x	x	x	●	●	●	●
91439B Vigileo	1.00.01-002	v. 01.10	● Note 13.2	● Note 13.2	● Note 13.2	● Note 13.2	●	●	●	●
91439B EV1000	1.00.01-002	v. 01.10	x	x	x	x	●	●	●	●
91439B EV1000	1.02.00-007	v2.1	x	x	x	x	x	x	x	●
91439B Hemosphere	1.02.00-007	v2.1	x	x	x	x	x	x	x	●
<b>GENERAL ELECTRIC</b>										
91436D Avance	1.00.01-002	5.0	x	x	x	x	●	●	●	●
91436E Carestation	1.00.00-004	5.05	x	x	x	x	●	●	●	●
<b>Hamilton</b>										
90436A-07 Galileo / Raphael XTC	1.00.02	3.2	x	x	x	x	●	●	●	●
<b>MAQUET</b>										
91436B SERVO-i	1.00.05-001	1, 2, 3, 4	● Note 13.3	● Note 13.3	● Note 13.3	● Note 13.3	●	●	●	●

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		96190 XprezzNet				Intesys Clinical Suite (ICS)				
Flexport Revision	Device Revision	1.0	1.1	1.2	1.3.x/ 1.4.x/ 2.0.x	4.02.02 / 4.03.xx	5.00.00/ 5.01.00/ 5.02.02/ 5.2.3	5.3.0/ 5.4.0/ 5.5.0	5.6.x	
<b>Massimo</b>										
90442A-02 Radical	1.00.52	4.1.0.1 Handheld – R4.2.0.1	x	x	x	x	●	●	●	●
90442A-03 Radical	2.00.02EN	4.2.01 RadNet R5.1.3.2	x	x	● Note 13.1, 13.6	● Note 13.1, 13.6	●	●	●	●
<b>MEDTRONIC</b>										
90436A-15 Puritan Bennett 840	1.00.06EN	4-070212 85N	● Note 13.7	● Note 13.7	● Note 13.7	● Note 13.7	●	●	●	●
91436F Puritan Bennett 840	1.00.03	4-070212- 85-AK	x	x	x	x	x	x	●	●
91436F Puritan Bennett 980	1.00.03	8.1.1.4	x	x	x	x	x	x	●	●
<b>PULSION</b>										
91439A PiCCO2	1.00.00-013	3.1.0.8A	x	x	x	x	●	●	●	●
90439 PiCCO Plus	1.00.01	D7.0.7	x	x	x	x	●	●	●	●
<b>SENTEC</b>										
90442A-03 Sentec Digital Monitoring	2.00.02EN	7.02	x	x	● Note 13.1, 13.6	● Note 13.1, 13.6	●	●	●	●

**Notes:**

- 13.1 Numeric data only.
- 13.2 Software revision 1.00.00
- 13.3 Software revision 1.00.01 and 1.00.05
- 13.4 Xhibit is not listed in this table as it does not directly interface to any Flexport - see the appropriate Monitor to Flexport Compatibility in table 12 for device compatibility.
- 13.5 Software revision 1.00.01
- 13.6 Software revision 2.00.02
- 13.7 Software revision 1.00.05 and 1.00.06

14 MONITOR TO FLEXPORTE COMPATIBILITY

	MONITORS							
	UVSL 2200/ 2400/ 2600	UVSL 2700/ 2800/ 2900	UVSL 3800/ 3900	91393 XPREZZON NOTE 14.1	91390 QUBE NOTE 14.1	91389 QUBE MINI	91330 DM3	91331 DM4
<b>BD/CAREFUSION</b>								
91436A PULMONETIC LTV	●	●	●	●	●	x	x	x
91436C VIASYS AVEA / VELA	●	●	●	●	●	x	x	x
<b>DRÄGER</b>								
91443C APOLLO/PRIMUS/ PRIMUS IE/PERSEUS	x	x	x	Note 14.2	Note 14.2	x	x	x
<b>EDWARDS</b>								
91439B VIGILANCE II/ VIGILEO/ EV1000/ HEMOSPHERE	● Note 14.3	● Note 14.3	● Note 14.3	● Note 14.3	● Note 14.3	x	x	x
<b>GENERAL ELECTRIC</b>								
91436D Avance	●	●	●	●	●	x	x	x
91436E Carestation	●	●	●	●	●	x	x	x
<b>HAMILTON</b>								
90436A-07 Galileo / Raphael XTC	●	●	●	●	●	x	x	x
<b>MAQUET</b>								
91436B SERVO-i®	●	●	●	●	●	x	x	x
91443B FLOW-i®	●	●	●	●	●	x	x	x
<b>MASIMO</b>								
90442A-02 Radical	●	●	●	●	●	x	x	x
<b>MEDTRONIC</b>								
90436A-15 Puritan Bennett™ 840	●	●	●	●	●	x	x	x
91436F Puritan Bennett™ 840 / 980	x	x	x	●	●	x	x	x
<b>PULSION</b>								
91439A PiCCO2	●	●	●	●	●	x	x	x
90439 PiCCO Plus	●	●	●	●	●	x	x	x
<b>SENTEC</b>								
90442A-03 Sentec Digital Monitoring System	●	●	●	●	●	x	x	x

**Notes:**

- 14.1 Remote View is supported with 91393 Xprezzon and 91390 Qube monitors and will display numeric data only.
- 14.2 91393 Xprezzon and 91390 Qube monitors support waveform display and numeric data from 91443C-A Flexport.
- 14.3 91439B SW v1.02.00 007 is compatible with Xprezzon 91393 and Qube 91390 SW v3.08.03 and up.

15 ELANCE

93900 Central supports 93300 Elance monitors only.