Connectivity

Patient monitoring plus EHR/EMR/PDMS

To meet the ever-growing demand for data transferability in the hospital environment, Hamilton Medical ventilators offer a serial RS-232 interface and several protocols for connection to patient monitoring systems, electronic health records (EHR), electronic medical record systems (EMR), and patient data management systems (PDMS).

This document describes connectivity options for the most common EHR/EMR/PDMS systems. The following tables are based on input obtained from the field. We recommend using them for informational purposes only. Hamilton Medical has tested the protocol interfaces to ensure that the specified values are exported successfully.

⚠️ Verify that the integration of the ventilator with a patient monitor, patient data management system (PDMS), computer, or similar, has been performed correctly.

Note that the information in this document may be changed or updated without notice. For further details, contact your Hamilton Medical sales representative.

HAMILTON MEDICAL

Patient monitoring systems

HAMILTON-G5	HAMILTON-S1	HAMILTON-C1	HAMILTON-T1	HAMILTON-C2	HAMILTON-C3	HAMILTON-C6	HAMILTON-HF90	Manufacturer	System	Protocol
(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	o	Dräger	Infinity	Polling / Block
(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	o	GE Healthcare	Carescape	Polling
(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	o	Masimo	Patient SafetyNet System and Iris Gateway System	Polling
(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	Mindray	BeneVision	Polling / Block
(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	o	Nihon Kohden	BSM-3000K (v08-42 or later)	Polling
(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	o	Nihon Kohden	BSM-1900K (v01-36 or later)	Polling
(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	o	Nihon Kohden	BSM-9101K (v12-06 or later)	Polling
(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	o	Nihon Kohden	BSM-6000K (v02-10 or later)	Polling
(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	o	Nihon Kohden	BSM-1700K (v02-22 or later)	Polling
(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	o	Nihon Kohden	BSM-1500K (v02-22 or later)	Polling
(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	o	Philips	IntelliVue (IntelliBridge)	VueLink Open / Block
(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	o	Philips	IntelliVue (VueLink)	VueLink Open
(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	o	Spacelabs Healthcare	Ultraview	Polling

(✓) External device is able to read data from Hamilton Medical device depending on the software version. The accuracy of the displayed monitoring data is not validated by Hamilton Medical.
x   External device is not able to read data / no drivers have been developed.
o   Contact the monitoring system manufacturer for the current status.

Connectivity

EHR/EMR/PDMS

HAMILTON-S1	HAMILTON-G5	HAMILTON-C1	HAMILTON-T1	HAMILTON-C2	HAMILTON-C3	HAMILTON-C6	HAMILTON-HF90	Manufacturer	System	Protocol
(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	o	Aixelink	ICU Care	Polling / Block
(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	o	Ascom	Digistat Suite	Polling / Block
(✓)	(✓)	o	o	o	o	o	o	B-Simple	B-ICU.Care	Polling / Block
(✓)	(✓)	o	o	o	o	o	o	Chipsoft	CS-ECIS (Electronic Care Information System)	Polling
(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	o	Clinicomp	EHR	Block
(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	o	Copra System	Copra	Polling / Block
(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	o	Dedalus	ORBIS	Polling / Block
(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	o	Dräger	Integrated Care Manager (ICM)	Polling / Block
(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	o	GE Healthcare	Centricity Critical Care	Polling / Block
(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	o	HIM	QCare	Polling / Block
(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	o	iMDsoft	MetaVision	Polling / Block
o	o	(✓)	(✓)	(✓)	(✓)	(✓)	o	IMESO	ICUData	Polling
(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	o	LOWTeq	LOWTeq-PDMS intensive care	Polling
(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	o	Oracle Healthcare	CareAware	Polling / Block
(✓)	(✓)	o	o	(✓)	o	o	o	Philips	ICCA (former ICIP Release D.03)	Polling
(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	o	PICIS	Picis Critical Care Manager	Polling / Block
(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	o	TERENUI	Grimoires	Block
(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	o	zMed Healthcare Technologies	zMed ICU solution	Block

(✓)   External device is able to read data from Hamilton Medical device depending on the software version.
      The accuracy of the displayed monitoring data is not validated by Hamilton Medical.
o   Contact the monitoring system manufacturer for the current status.
¹   With service pack 1 or higher.

Connectivity solutions middleware

HAMILTON-S1	HAMILTON-G5	HAMILTON-C1	HAMILTON-T1	HAMILTON-C2	HAMILTON-C3	HAMILTON-C6	HAMILTON-HF90	Manufacturer	System	Protocol
(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	Ascom	Digistat Suite	Polling / Block
(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	o	Bridge-Tech Medical	Device Connectivity Solution (DCS)	Polling / Block
(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	Capsule Technologie	Device Driver Interface Library	Polling / Block
(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	o	Masimo	DeviceConX	Polling / Block
(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	o	Philips	IntelliBridge	VueLink Open / Block
(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	R Group	HealthMosaic/Open Connect	Polling / Block
(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	Scion Health Hospital	Pro Touch	Hamilton P2
(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	(✓)	Talis Clinical	Talis-Hub	Block

(✓) External device is able to read data from Hamilton Medical device depending on the software version. The accuracy of the displayed monitoring data is not validated by Hamilton Medical.
o Contact the monitoring system manufacturer for the current status.

Other systems

HAMILTON-S1	HAMILTON-G5	HAMILTON-C1	HAMILTON-T1	HAMILTON-C2	HAMILTON-C3	HAMILTON-C6	HAMILTON-HF90	Manufacturer	System	Protocol
(✔)	(✔)	(✔)	(✔)	o	(✔)	(✔)	o	EKU	NO-A, EZ-KINOX, CARDINO	Block

(✔) External device is able to read data from Hamilton Medical device depending on the software version. The accuracy of the displayed monitoring data is not validated by Hamilton Medical.
o Contact the monitoring system manufacturer for the current status.

Distributed alarm systems

HAMILTON-S1	HAMILTON-G5	HAMILTON-C1	HAMILTON-T1	HAMILTON-C2	HAMILTON-C3	HAMILTON-C6	HAMILTON-HF90	Manufacturer	System	Protocol
(✔)	(✔)	x	x	x	x	(✔)	x	Ascom	Digistat Suite	Block (ACK)

(✔) External device is able to read data from Hamilton Medical device depending on the software version. The accuracy of the displayed monitoring data is not validated by Hamilton Medical.
x Not available.

Your contact

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