



# CARESCAPE B850 Monitor

Adaptability for every acuity.



The CARESCAPE™ B850 monitor provides a high level of flexible and scalable monitoring excellence, ready to meet even the highest acuity patient needs. It provides a dependable level of data continuity and integration across care areas. Its intuitive design makes it easy to use for all staff experience levels, and upgradability protects your long-term system investments.

## Providing clinical excellence

- With CARESCAPE ONE monitor or CARESCAPE Patient Data Module, enables consistent hemodynamic and cardiac measurements during intra-hospital transport and maintains data continuity
- Innovative algorithms aid in accurate diagnoses, including EK-Pro, DINAMAP™ non-invasive blood pressure, and 12 SL diagnostic ECG with direct 2-way MUSE™ ECG database
- Comprehensive respiratory monitoring ranging from standard CO<sub>2</sub> to optional gas exchange and metabolic monitoring
- Various parameters can help you assess the adequacy of anesthesia in the OR, and give insight to patients' readiness for ventilator weaning in the ICU
- Exceptional alarm functionality, including Auto View on Alarm which automatically shares clinically significant alarms within and across care units, also provides flexibility in setting alarm limits and priorities which may help optimize your workflow and reduce alarm fatigue
- Integration with the GE Healthcare's gateway enables communications to EMR systems through standard HL7® protocol
- Combination monitoring capability enables mobile patients to be monitored

## Optimizing care workflow

- Expansion frame and E-modules enable scalability to handle patient needs, from low acuity to the most complex high acuity patients
- Streamlined intra-hospital transport when using CARESCAPE ONE with its built-in display
- Integrated Citrix® thin client integration enables easy access to labs, X-rays, charting and other data at the bedside
- Pre-configured software for OR, PACU, ICU, NICU and ED care areas
- Pages & Profiles functionality provides clinicians the flexibility to easily optimize monitor settings to their patient needs

## Protecting long-term investments

- Backwards compatible with many existing GE components
- Remote service through InSite™ ExC provides updates and predictive maintenance
- Structured upgrade programs can lower costs of ownership and simplify long-term capital equipment planning

## Technical specifications

### CPU

Processor	ARM® Cortex®-A9
Degree of protection against harmful ingress of water	IPX1

### Alarms

Priority	High, Medium, Low, Escalating and Informational
High-priority alarm volume	in accordance with IEC 60601-1-8
Visual alarm notification	Red, yellow, cyan Audio silence indicator General alarm indicator
Audible alarm notification	Internal speakers
Audio pause	Configurable for 2 or 5 minutes

### I/O connectors

Ethernet	2 for CARESCAPE Network MC and CARESCAPE Network IX 1 for Unity Network™ ID
E-Port	2 DB9F for CARESCAPE Patient Data Module or Frame
Video	2 DisplayPort, 1.1a dual-mode
USB port	6 USB 2.0 standard
Thermal printer	PRN 50-M+

### Display characteristics

Colors	24 bit
Type	Active matrix color TFT LCD
Brightness	D19KT <sup>1</sup> 180 cd/m <sup>2</sup>
Resolution	1280 x 1024 @ 60 Hz SXGA
Viewing angle	(horizontal/vertical) D19KT 160 deg colonial
Pixel dimension	D19KT 0.294 x 0.294 mm
Contrast ratio	D19KT 500:1
Response time	D19KT 25 ms
D19KT touch-screen controls	Resistive technology

### Waveforms

Based on configuration. Standard view includes up to 8 individual waveforms, optional views include overlays or insets for up to 14 waveforms per display. Additional clinical display allows for 16-28 waveforms.

### Numerics

16 to 22 parameter numerics based on configuration, per display. Additional clinical display allowed for 32 to 44 parameter numerics.  
See separate technical specifications document for displays.  
Displays are ordered separately.

### Frames

Target use and support modules

F7	Aespire™, Aestiva™, Aisys™, Aisys CS <sup>2</sup> , Avance™, Avance CS <sup>2</sup> Carestation™ anesthesia machines, E-modules
F5	Stand-alone use; E-modules, CARESCAPE Patient Data Module

Frames are ordered separately.

### Parameters and modules

Parameters	CARESCAPE ONE
ECG	3, 5, 6 and 10 leadwires
SpO <sub>2</sub>	GE TruSignal, Nellcor OxiMax, Masimo SET
NIBP	DINAMAP SuperSTAT algorithm
InvBP	2
Temp	2
CO <sub>2</sub>	Respironics LoFlo™ Sidestream CO <sub>2</sub>

Parameters	CARESCAPE Patient Data Module
ECG	3, 5, 6 and 10 leadwires
SpO <sub>2</sub>	Masimo SET®, Nellcor OxiMax®
NIBP	DINAMAP SuperSTAT algorithm
InvBP	0 or 4
Temp	2, Optional with C.O.
Cardiac output	Optional with temperature

CARESCAPE Patient Data Module and CARESCAPE ONE are ordered separately.

<sup>1</sup> D19KT = 19-inch display with keypad and touchscreen

Parameters	E-Modules <sup>2</sup>
Multi parameter modules	
InvBP & Temp	E-PP <sup>3</sup> , E-PT
SvO <sub>2</sub> & C.O.	E-COP, E-COPSv
Single parameter modules	
SpO <sub>2</sub>	E-NSATX E-MASIMO
NMT	E-NMT
CCO	E-PiCCO
EEG	E-EEGX
BIS	E-BIS
Entropy™	E-ENTROPY
Respiratory	
Sidestream CO <sub>2</sub>	E-miniC
Sidestream CO <sub>2</sub> , O <sub>2</sub> & N <sub>2</sub> O	E-sCO, E-sCOV, E-sCAiO, E-sCAiOV
Agents <sup>4</sup>	E-sCAiO, E-sCAiOV
Patient Spirometry <sup>4</sup>	E-sCOV, E-sCAiOV
Gas exchange/ metabolics <sup>4</sup>	E-sCOVX, E-sCAiOVX

Parameter modules are ordered separately.

NOTE: For a complete list of compatible devices, please refer to the CARESCAPE Modular Monitors Supplemental Information Manual Software version 3.

<sup>2</sup> Acronyms for the parameters measured are as follows: P=invasive pressure; R=respiration rate, E=ECG; S=SpO<sub>2</sub>; T=temperature; N=NIBP; C=CO<sub>2</sub> and N<sub>2</sub>O; Ai=anesthetic agents and nitrous oxide with agent identification; O=O<sub>2</sub>; V=Patient Spirometry; X=gas exchange, s=single-width

<sup>3</sup> Module measures invasive blood pressure only

<sup>4</sup> Displayed data (including but not limited to TV, MV, RR, Raw and N<sub>2</sub>O) trends and alarms may vary depending on the host device. Specifications listed represent the capabilities of the modules. Always check the host device's User Manual for additional information.

## Software options

Main software	CSP v3 Care-area specific software versions to optimize workflows: OR, PACU, ICU, ED, NICU
Other software options	Extended software options specific to each main software package.

Upgrades available with the CARESCAPE Upgrade Program

## Networking

Compatibility	Unity Network MC
Features	Peer-to-peer communication with AVOA functionality, centralized viewing and remote alarm management
Network type	LAN

## Paper recorder

Optional, PRN 50M+ digital writer or network laser printer. See separate technical specifications for PRN 50M+ digital writer. Paper recorders are ordered separately.

## Mounting

GCX® compatible

## Power specifications

Power consumption	300 W (max) < 52W (typical)(B850 monitor + CARESCAPE ONE)
Power requirements	100 to 240 VAC, 50-60 Hz

## Environmental specifications

For entire system, including CPU, frames, modules, displays, keyboard and remote control.

## Operating conditions

Temperature	10 to 40°C (50 to 95°F)
Operating humidity	15 to 90% (non-condensing)
Operating altitude	700 to 1060 hPa; 3000 m to -400 m meters

## Storage conditions

Storage/transport temperature	-20 to 60°C (-4 to 140°F)
Storage humidity	10 to 90% (non-condensing)
Storage/transport altitude	500 hPa to 1060 hPa; 5500 m to -400 m meters

## Physical specifications

### CPU

Dimensions (H x W x D)	89 x 408 x 328 mm (3.5 x 16.1 x 12.9 in)
Weight	6.2 kg (13.7 lb)



## Imagination at work

Product may not be available in all countries and regions. Full product technical specification is available upon request. Contact a GE Healthcare Representative for more information. Please visit [www.gehealthcare.com/promotional-locations](http://www.gehealthcare.com/promotional-locations).

Data subject to change.

© 2017 General Electric Company.

GE, the GE monogram, imagination at work, CARESCAPE, DINAMAP, MUSE, InSite, Aespire, Aestiva, Aisys and Avance are trademarks of General Electric Company.

ARM® and Cortex® are trademarks of ARM Limited (or its subsidiaries). BIS is a trademark of Aspect Medical Systems, Inc. Citrix is a trademark of Citrix Systems, Inc. GCX is a trademark of GCX Corporation. Masimo SET is a registered trademark of Masimo Corporation. Nellcor and OxiMax are trademarks of Covidien Company. Intel is a trademark of Intel Corporation in the U.S. and/or other countries. HL7 is a registered trademark of Health Level Seven International. Respironics and LoFlo are registered trademarks belonging to Koninklijke Philips Electronics N.V. All other trademarks are property of their respective owners.

Reproduction in any form is forbidden without prior written permission from GE. Nothing in this material should be used to diagnose or treat any disease or condition. Readers must consult a healthcare professional.

CARESCAPE B850 MBC303

DOC1993174 10/17