PRIMEDIC
Saves Life. Everywhere.

DefiMonitor XD7

English



One series for all your needs - Our new DefiMonitor XD7 series



MAXIMUM RELIABILITY IN EXTREME CONDITIONS

Built for the rigors of EMS, the DefiMonitor XD7 series is ultra-lightweight (5kg), IP55-rated, and 1.6m drop-tested for instant use from -20°C to +55°C.

High-speed 4G/5G connectivity enables real-time data transmission, supporting an 'admission upon boarding' model where critical patient data precedes their arrival at the hospital.



EFFICIENT CLINICAL EMERGENCY MANAGEMENT

The DefiMonitor XD7 series ensures seamless care from Emergency Room to general wards with an intuitive 8.0" / 10.1" HD touch screen, fully operable with gloves.

HL7 integration automates data capture into electronic medical records, while 26 energy levels, internal defibrillation and manual/AED modes provide the versatility required for any clinical scenario.



HIGH-END MONITORING FOR THE MOST CRITICAL PATIENTS

The DefiMonitor XD7 series provides precision monitoring of ECG, SpO_2, NIBP, IBP, Respiration, Temp, and $EtCO_2$.

Its iWaveNet algorithm uses deep learning to filter CPR artifacts for accurate analysis, while 360J biphasic energy ensures success in difficult cases. With real-time data sync to central systems, it is the ideal partner for complex bedside interventions requiring absolute data stability.

DefiMonitor XD7 series

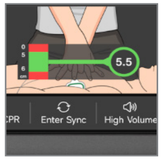
The high-end solution for ICU environments

The XD7 series is the flagship designed for intensive care, offering the greatest versatility in the series: it is available with either an 8.0" or a 10.1" HD display to fit any clinical environment. Building on the advanced features of patient monitoring, it adds premium ICU parameters including $EtCO_2$ (Capnography) and Invasive Blood Pressure (IBP).

Full clinical integration via HL7 protocols and the enhanced iWaveNet suite ensure maximum diagnostic depth and safety for the most critical patient scenarios.



DESIGNED TO SAVE LIVES



INTELLIGENT CPR-FEEDBACK

Real-time feedback and iWaveNet allow continuous CPR during ECG-analysis without interruption, maximizing effective perfusion.



THREE-SCREEN INTERACTION

High resolution LCD on main unit, operating knob and hardpaddles enable instant visibility for every scenario.



SEAMLESS OPERATION

Intuitive touchscreen with gesture control - fully operable with multiple layers of gloves and even when wet.



MOUNTING SOLUTIONS

EN1789 crash-test certified wall brackets with integrated charging for secure use in vehicles and clinics.



Power on in 2 seconds

Charging to 200J in 3 s
Charging to 360J in 5 s

370 discharges of 200J
270 discharges of 360J

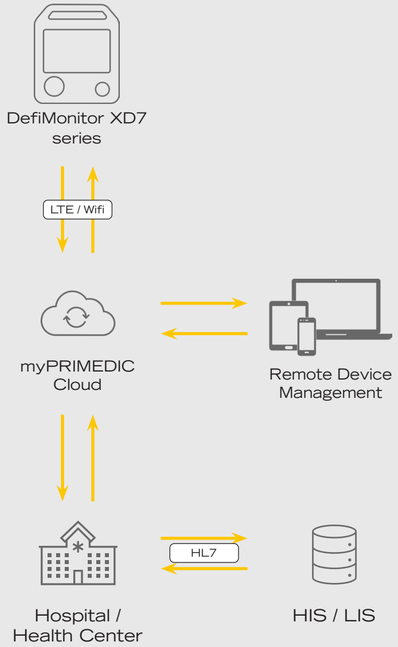
IP 55

1.6 meters without Bag
3.0 meters with Bag

Storage for 200 patients, 160 h ECG, 240 h trend data, 8 h recording & 5000 events per patient

myPRIMEDIC Cloud: Smart Connectivity

Stay connected - wherever you are: The DefiMonitor XD7 series utilizes high-performance LTE and WiFi to ensure lightning-fast data transmission from the field.
While the myPRIMEDIC Cloud provides a centralized platform for Remote Device Management and fleet-wide monitoring, our seamless HL7 integration bridges the gap to the clinical environment.
By synchronizing vital data directly with HIS and LIS architectures, we eliminate manual documentation steps and ensure a precise, digital handover between emergency services and hospital staff.



iWaveNet: The Future of Intelligent Resuscitation

The DefiMonitor XD7 series features the groundbreaking iWaveNet algorithm.
Its technology filters out CPR-induced motion artifacts in real time, allowing for a continuous and highly accurate diagnosis without the need to pause chest compressions during analysis.

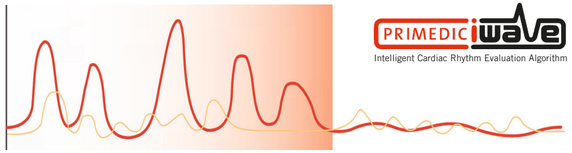
- Maximized Hands-on-Time
- Smart Decision Support
- Enhanced Survival Rates



Real-Time Artifact Suppression

Where conventional devices see only 'noise' caused by chest compressions, iWaveNet makes the ECG visible. The signal processing cleans the ECG image instantly, providing a clear basis for decision-making without losing valuable seconds to pauses.

iWaveNet breaks the cycle of 'push and wait'. While the team continues chest compressions without interruption, the device already prepares the next step in the background. This ensures a constant, vital blood flow and significantly increases the efficiency of the rescue effort.



SPECIFICATIONS





Series	DefiMonitor XD7 Series (MDR)	
Models	DefiMonitor XD7 - 51Pro DefiMonitor XD7 - 75Plus DefiMonitor XD7 - 75Pro DefiMonitor XD7 - 7000	DefiMonitor XD7 - 76Lite DefiMonitor XD7 - 61Pro DefiMonitor XD7 - 7Pro DefiMonitor XD7 - 7000Pro
Display	8 inch TFT Color LCD 1024*768 pixels	10.1 inch TFT Color LCD 1280*800 pixels
Waveforms	5 at maximum	7 at maximum
Connectivity	Wifi I LTE I 4G I 5G	Wifi I LTE I 4G I 5G
Internal defibrillation	No	No
CPR-feedback	Yes	Yes
iWaveNet	Yes	Yes
External pacer	Fixed / Demand / Overdrive	Fixed / Demand / Overdrive
Recorder	Internal, 50mm recorder (3 maximum waveforms)	Internal, 80mm recorder (4 maximum waveforms)
Size & Weight	280mm x 178mm x 322mm (W*D*H) including the handle 5.20kg *(the equipment is configured with AC power input, 3/5-lead ECG, SpO_2, AED, manual defibrillation, pacer and battery)* 5.00kg *(the equipment is configured with DC power input, 3/5-lead ECG, SpO_2, AED, manual defibrillation, pacer and battery)*	
Connectors	2 x USB port (1 x USB2.0 TypeC, 1 x USB3.0 Type A), 1 x Multifunctional connector, 1 x RJ45 connector	
Internal storage	8 GB internal memory for 200 patients, 160 h ECG, 240 h trend data, 8 h recording & 5000 events per patient	
Power Input	AC or DC	
IP class	IP 55	
Environmental Specifications	Operating condition: -20° C ~ 55° C (ECG and manual defibrillation), 0° C ~ 50° C (No limitations), Transportation/Storage condition: -30° C ~ 75° C	
Parameter Module	Multi-parameter (including ECG, Resp, SpO_2, NIBP and 2 x Temp), Mainstream/Sidestream CO_2 , 2 x IBP	
Battery	CRL01A lithium-ion battery, 14.4V, 6000mAh	
Battery run time	Monitoring mode: ≥ 7h, Manual Defibrillation: ≥ 270 shocks @360 J, ≥ 370 shocks @200J, Pacing : ≥ 5h	

PRIMEDIC
Saves Life. Everywhere.

Quality made in Germany since 1973

For over 50 years, PRIMEDIC has stood for quality and reliability made in Germany.

With our extensive expertise in medical technology, we develop high-quality defibrillators that save lives worldwide. Our products combine cutting-edge technology with a robust design to provide reliable support in any situation.

From research and development to production, every step follows the highest quality standards.

PRIMEDIC – FIRST CHOICE FOR SECOND CHANCES.

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