



Ensuring Safety and  
Precision in Maternity Care

advanced Labor Room  
**Information System**



# Overview

In the fast-paced and critical environment of maternity care, the need for precise, reliable and continuous monitoring is paramount.

Our Advanced Labor Room Information System is designed to meet these need by integrating state-of-the-art monitoring technologies with real-time data analytics and comprehensive surveillance capabilities.

# Objective



The primary objective of our Advanced Labor Room Monitoring System is to enhance patient safety and improve the outcomes of childbirth.

Additionally, the system aims to streamline workflow efficiency, allowing healthcare providers to focus more on patient care rather than manual documentation task. Our system is designed not only to support medical team in their day-to-day operations but also to provide clinicians with robust data-driven insights for better decision-making and resource allocation.

Ultimately, our goal is to support healthcare facilities in offering the safest, most compassionate, and effective maternity care possible.





taking care of heart and souls that matter...

**mcare**



# Advantages

## Minimizing Labor Risk

mCare provide a continuous live CTG data charting and analysis with notification and alarm.

## Easily Prioritize Patient Treatment

Bird's eye view of multiple patients' vital information from a single dashboard, thus make it easier to prioritize patient that need more attention.

## Multiple CTG Vendor Support

nexoLink - NexoPrima integration IoT solution already tested with most CTG vendors / products.

## Auto Archive / Historical Data

CTG and Patient data will be stored in a central server and can be easily access at any time.

## Remote Monitoring

mCare is a web based solution and a Mobile App. version will ease monitoring anywhere in the hospital network or remotely.

## Assist Clinicians with Analytics

Real-time analytics and classification of CTG FHR data/chart such as acceleration, deceleration, contractions, baseline and variability of the FHR data based on FIGO rules.



# Snapshots

**Data Presented According to Configurable Color Threshold**

**Filters by Room Type or Patients**

**Notifications / Alarms**

The dashboard displays a table of patient data with columns: Room, Name, CTG, Pulse, BP, Temp, Cervix, Synto, ROM, Liquor, Epi, Desc, and Drugs. A 'Quick Actions' menu is open on the right, listing options like Risks, Notes, CTG, Partograph, Update Assessment, Change Bed, Update Profile, and Delivered.

**Easy access to Bed / Patient**

**CTG Numeric Data**

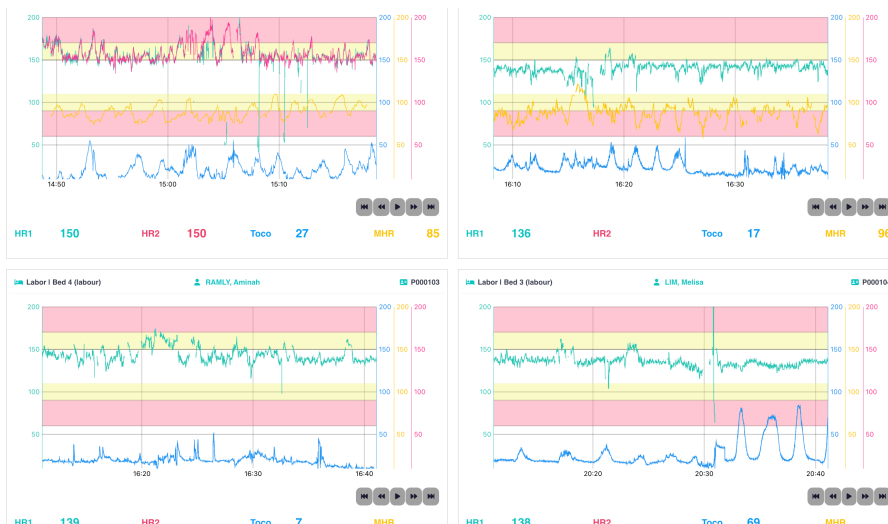
**Vital Signs**

**Physical Assessment**

**Quick Access to Patient Data / Charts**

## Whiteboard

Bird's eye view of multiple patients' vital information from a single dashboard, thus make it easier to prioritize patient that need more attention.



## CTG Dashboard

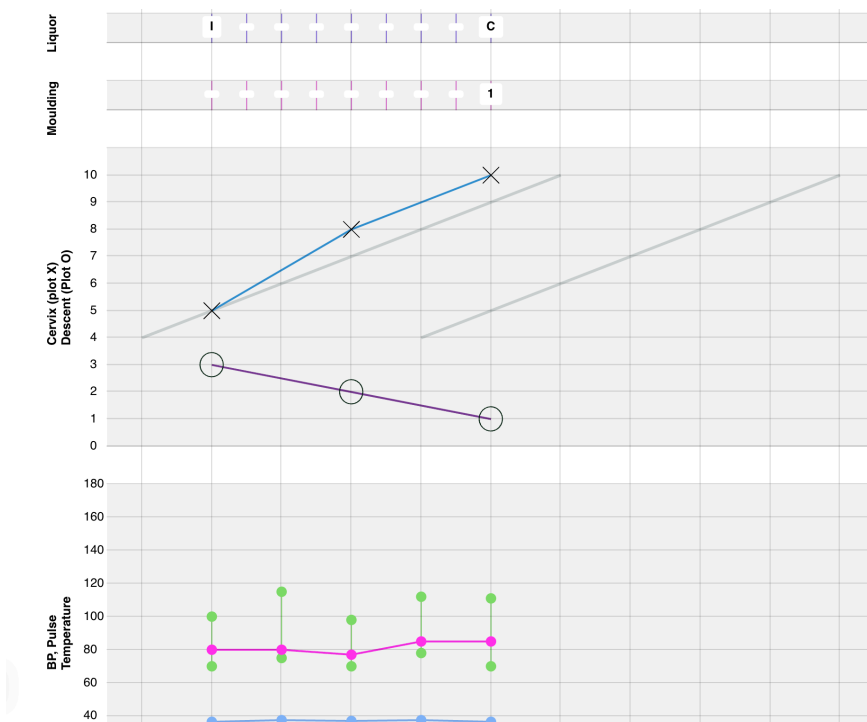
Monitoring of multiple patients CTG charts in single dashboard.

# Snapshots



## CTG Analytics

Live data from the CTG machine will continuously be analyzed and classified in real-time in patient CTG view/monitoring.



## Auto Charting

Physical assessments input keyed-in in the system will be automatically chart accordingly.

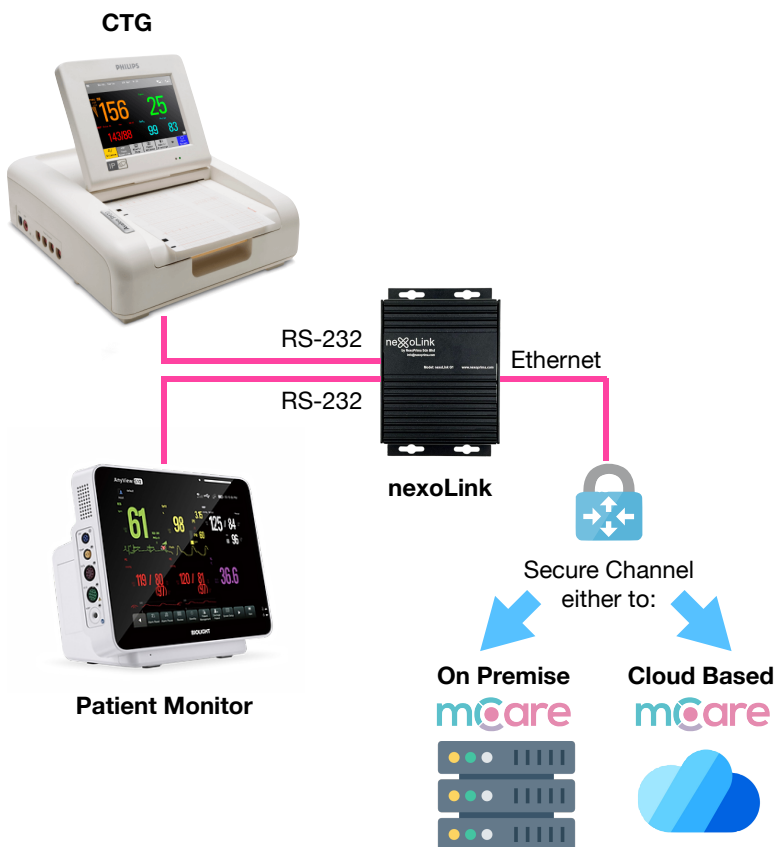
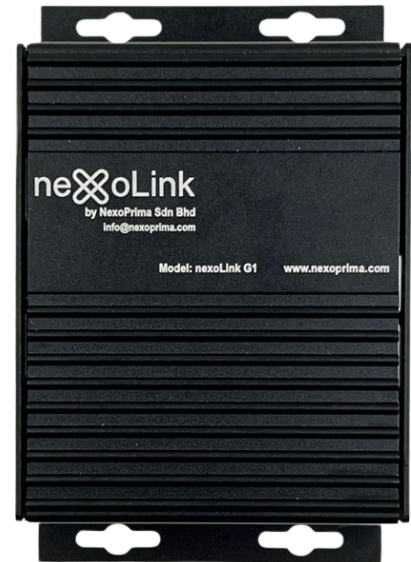









# nexoLink

## IoT - Integration Device

Integration devices that connect over serial to medical devices for data capture, enabling efficient and accurate data transfer across different systems. By automating the data capture process and ensuring interoperability among various medical devices and healthcare information systems.

NexoLink is a custom IoT device, by NexoPrima. It has 3 x RS232 interface over RJ45 and 2 x USB 2.0. It can connect up-to 5 medical devices simultaneously, such as CTG, patient monitor, ventilator and Infusion pump.



-  **Ethernet**  
Giga x 1  
10/100M x 1
-  **Wireless Connection**  
2.4GHz IEEE 802.11  
5.0GHz b/g/n/ac
-  **USB**  
USB 2.0 x 2
-  **Isolated RS232 / Serial**  
RJ45 5 Pins RS232 x 1  
RJ45 3 Pins RS232 x 2
-  **Power In**  
DC10 - 30V
-  **Display Output**  
HDMI Full Size x 1
-  **Buttons**  
Reset button  
User programmable button



Every mother has the right to expect her baby to be born alive and healthy, just as every baby has the right to a living and healthy mother.



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