



BD Alaris Infusion System

A comprehensive, modular smart infusion system featuring dose error reduction software and bi-directional Electronic Medical Record (EMR) interoperability.

<https://www.bd.com>

Overview

The BD Alaris™ Infusion System is a leading, modular smart pump platform designed to accurately deliver fluids, medications, blood, or blood products while enhancing patient safety and simplifying clinical workflows. It is the only system in the U.S. to offer multiple modalities—including Large Volume Pump (LVP), Syringe, Patient-Controlled Analgesia (PCA), and EtCO2 respiratory monitoring—that work independently and together on a single Point-of-Care Unit (PCU).

Key Features and Capabilities:

Guardrails™ Suite MX Safety Software: This Dose Error Reduction Software (DERS) is a core component that provides a customizable drug library and hard/soft limits to help intercept potential medication errors at the bedside.

EMR Interoperability: The system offers seamless, bi-directional connectivity with the most widely used Electronic Medical Record (EMR) systems, such as EpicCare EHR and Cerner Millennium EMR. This feature enables auto-programming of infusion orders from the EMR to the pump, significantly reducing manual programming steps and the risk of error, while also transmitting accurate infusion status data back to the EMR for documentation.

Modular Design: Clinicians can attach up to four infusion modules (LVP, Syringe, PCA, EtCO2) to a single PCU, providing a centralized user interface and a comprehensive patient view.

BD HealthSight™ Medication Safety Analytics (MSA): This platform converts infusion data into actionable insights for continuous quality improvement (CQI), helping hospitals evaluate performance and optimize drug libraries.

Auto-Identification: The Alaris Auto-ID Module provides flexible barcoding for patient ID, clinician ID, and drug data, further minimizing programming errors.

Target Users and Use Cases:

The system is built to support smart infusion therapies across various acute care settings and specialties, including Oncology, Pain Management, Critical Care/ICU, Med/Surg, Outpatient, Neonatal Intensive Care Unit (NICU), and Pediatric Intensive Care Unit (PICU). The primary users are hospital nurses, pharmacists, and biomedical technicians.

Key Features

- Guardrails™ Suite MX Safety Software (DERS)
- Bi-directional EMR Interoperability
- Modular Platform (LVP, Syringe, PCA, EtCO2)
- Wireless Data Set Transfer
- Auto-Identification and Barcoding
- Continuous Quality Improvement (CQI) Analytics
- Customizable Drug Library

Pricing

Model: enterprise

Enterprise pricing, not publicly disclosed. Requires a direct quote and contract with BD sales representatives.

Target Company Size: enterprise

Integrations

EpicCare EHR, Cerner Millennium EMR

Compliance & Certifications

FDA 510(k) Clearance, HIPAA