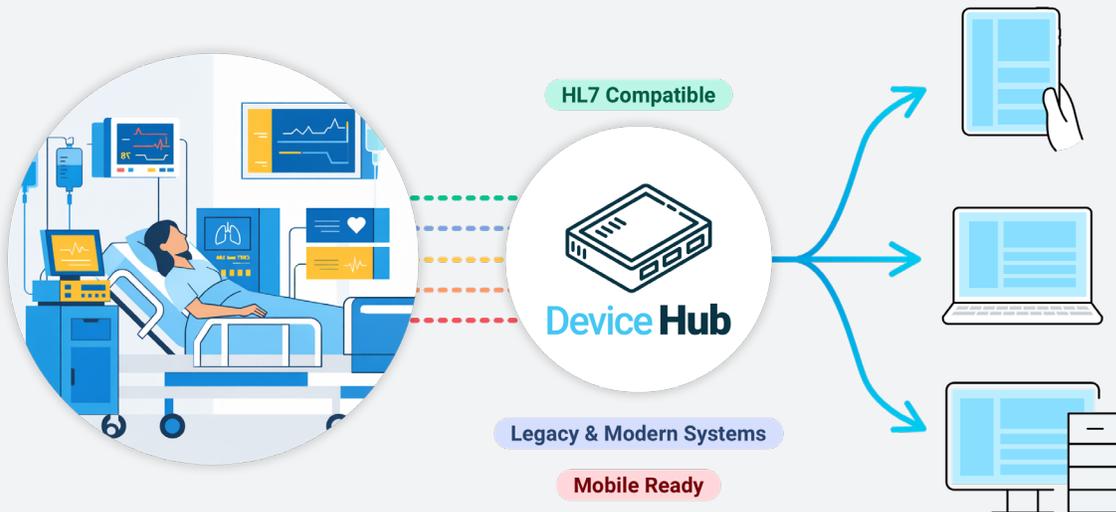![Picis logo]

Device Hub

Smarter Connectivity for Smarter Care

Near Real-Time Medical Device Integration Simplified, Streamlined, Secure

Picis Device Hub is a vendor-neutral, **scalable software platform** that centralizes patient data with minimal setup. It is mobile-friendly and works across a range of compatible hardware configurations.

HL7 Compatible

Device Hub

Legacy & Modern Systems

Mobile Ready

How Device Hub Fits Into Your Workflow

Picis Device Hub collects data from bedside devices, standardizes it, and transmits it in near real-time to your clinical systems, ideal for ICUs, ORs, and more.

- Supports standalone or integrated deployment
- Captures vitals and infusion data in near real-time
- Works in local or cloud environments
- Virtualization-ready means the Device Hub software can be deployed in a virtualized environment (such as VMware or Hyper-V), allowing for flexible infrastructure planning and easier scaling without requiring dedicated physical hardware.

Key Features & Benefits

Extensive Compatibility

- Supports 450+ medical devices from various manufacturers.
- Easily expandable for future device types.

Vendor Neutral & Interoperable

- Connects with any system via HL7.
- Compatible with all leading EMR/HIS solutions.
- Supports both modern and legacy connections, including serial cable options, to ensure broad interoperability.
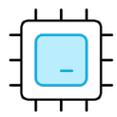
Streamlined Workflow

- Reduce documentation time with automated data capture, which replaces manual entry and frees clinicians to focus on care.

Accurate, Near Real-Time Data

- Captures consistent, error-free data directly from devices, enabling faster, better-informed clinical decisions.
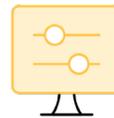
Minimal Hardware Footprint

- Runs on compact, standards-based hardware like mini PCs or ARM devices.
- Perfect for space-constrained settings.

Mobile-Friendly Deployment

- The Picis Portal works seamlessly on tablets and portable hardware, enabling configuration and management of Device Hubs on the go.

  Please note: Access to patient data via mobile devices depends entirely on the EMR/HIS system integrated with the Device Hub, not the Hub or Portal directly.
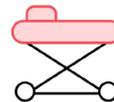
Web-Based Management

- Manage everything via the intuitive Picis Portal, monitor status, manage drivers, and export data easily.

  The Picis Portal provides administrative control but does not display patient data collected by the Device Hub. The connected EMR/HIS handles clinical visibility.

Cost-Effective Deployment

- No need for proprietary hardware deployment on existing compatible setups.
- Efficient architecture reduces total cost of ownership (TCO).

Flexible Bed Management

- Quickly reassign beds and bays without manually reconfiguring devices.
- Streamlines operations in dynamic care environments.

Clutter-Free, Cable-Free Connectivity

- Reduces serial cable clutter and the risk of disconnections.

  Serial cable connectivity remains supported for legacy systems that require it.

- Fewer physical connections improve infection control.

Seamless Data Integration & Compliance

- Wirelessly transmits critical data to EHRs in near real-time. (ia Wi-Fi supported Mini-PC)
- Reduces delays and manual entry while supporting HIPAA compliance.

Software-Driven Platform with Hardware Flexibility

- Supports over 450 medical devices from multiple manufacturers
- Compatible with ARM devices, virtual machines, and anesthesia machines
- Serial, Ethernet, and USB compatible

- Captures near real-time snapshots
- HL7
- Driver management and monitoring tools
- Cloud-ready architecture

FAQ

What is a medical device integration hub?

A medical device integration hub connects patient care devices, like monitors, ventilators, and infusion pumps, to a central system. It collects near real-time patient data and feeds it into EHRs or clinical systems. This reduces manual entry errors and improves workflow efficiency by automating data documentation.

How does Picis Device Hub connect to EHR systems?

Picis Device Hub connects using industry-standard protocols such as HL7 and custom export formats. It ensures seamless compatibility with major EMR and HIS platforms and securely transmits standardized data in near-real time to improve clinical decision-making.

What devices are compatible with Picis Device Hub?

It supports over 450 medical devices across a wide range of vendors and connection types (Serial, Ethernet, USB to-serial converters). Its scalable architecture ensures future-proof integration with ongoing updates.

Is Picis Device Hub mobile or portable?

Yes, Picis Device Hub is hardware-flexible and can run on compact devices such as tablets via the application. This makes it suitable for mobile carts, wall mounts, or desktop configurations, ideal for dynamic, mobile healthcare environments.

Quick to Install. Easy to Scale. Simple to Manage.
Contact us or book a demo at picis.com/contact