



Keeping pace with the point of care

IntelliVue MX450 and MX500 patient monitors

PHILIPS



Addressing the changing needs of healthcare

Philips IntelliVue patient monitors are designed to deliver accurate, real-time physiological patient data clinicians the world over have come to rely on when making decisions. Healthcare is a dynamic, demanding environment with constantly evolving needs. The MX series from Philips best-selling IntelliVue family aims to answer these challenges. You can now take advantage of efficient interfacing of beside device data to electronic medical records (EMRs) – even during transport. And with an intuitive view of all available patient information, you can diagnose with confidence.

The consistent IntelliVue interface makes training and use as simple as possible. What's more, the IntelliVue family of patient monitors uses standard protocols to interface to other vendors' applications and work easily within your institution's existing IT infrastructure.



One intuitive view at the point of care

The IntelliVue MX450 and MX500 combine powerful monitoring with portability and measurement flexibility in one compact unit. By supplying comprehensive patient information at a glance, either monitor can make a real difference when multiple patients and priorities demand attention.

Monitoring needs change with patient acuity. That's why our devices are designed to monitor a wide range of vital signs in the ICU, on a sub-acute floor, or at the bedside, and are even built to withstand the rigors of in-hospital transport. Both the IntelliVue MX450 and MX500 establish device interfacing and connectivity to the EMR at virtually any point of care in the hospital.

Along with these exciting features, the IntelliVue MX450 and MX500 offer the same high standard of patient monitoring for which our IntelliVue family is known.



See it clearly and quickly

Find what you need right away on the 12"-wide touchscreen. You'll recognize the familiar, easy-to-use interface from your existing IntelliVue monitors, so you can spend more time providing care and less time on device training.



The monitors also have built-in Advanced Clinical Solutions that provide tools to summarize and visualize complex clinical data and their interactions. Multiple streams of information come together in one, intuitive view.



Whether moving a patient throughout the hospital or stationary at the bedside, you won't have to bother with adjusting illumination. The display, with its ambient light sensor, automatically adjusts screen brightness to maintain readability in nearly any lighting environment.



Ambient light adjustment is just part of why the IntelliVue MX450 and MX500 are both excellent solutions for critical care settings. The display, for example, adapts automatically as more natural light comes into the ICU from outside. Patients can feel more aware of the passage of time and enjoy an overall better experience during recovery.¹

Although the ICU can sometimes be a stressful place for patients, the IntelliVue MX450 and MX500 contribute to a much-needed good night's sleep. The display dims to minimum brightness when the unit's lights are turned off at night, so patients won't be disturbed by unnecessary light.

¹Stuck, A., Clark, M.J. & Connelly, C.D. (2011) Preventing intensive care unit delirium: a patient-centered approach to reducing sleep disruption. *Dimensions of Critical Care Nursing*. Nov-Dec;30(6):315-20.



Make the most of your EMR

EMRs represent a considerable financial expense. The IntelliVue MX450 and MX500 work to enhance your investment by sharing data with clinical information systems helping to contribute to a more comprehensive EMR. Each one can also help reduce cost and complexity when connecting bedside devices to your EMR solution of choice. Philips IntelliBridge device interfacing makes this possible by eliminating the need for a separate device concentrator and data consolidation server.

IntelliBridge technology* provides a single point of interfacing for ventilators and other devices at the bedside and during in-hospital transport. Both the IntelliVue MX450 and MX500 allow you to add up to two IntelliBridge interfaces. On the IntelliVue MX450, you can add the interfaces as expansion boards, while on the IntelliVue MX500, use any combination of IntelliBridge EC10 modules, expansion boards, or both for a total of two device interfaces.

Clinical data from the monitor and other linked bedside devices are combined into a single HL7 message stream** for reliable, standards-based interfacing to EMRs. Even alarm strips captured as electronic documents during transport can be transferred using a document import interface provided by the EMR. Either monitor can thus reduce the need for expensive bedside device concentrators and associated licensing contracts.

* Requires IntelliBridge interface port(s). For device compatibility, see the latest IntelliBridge EC10 external device compatibility list.

** Wireless data transfer to EMR via Philips IntelliVue Information Center (PIIC) or Philips IntelliVue Information Center iX (PIIC iX)



Fit monitoring around workflows

Today's workflows need to adapt in the blink of an eye. The IntelliVue MX450 and MX500 can be scaled to cover most critical care monitoring requirements as levels of patient acuity change. Both devices support the Philips Multi Measurement Module (MMS), IntelliVue X2 module, and Measurement Server Extensions (MMSE). The IntelliVue MX500 also accommodates specialty measurements via up to three single/double-width parameter modules as required.



These monitors are designed to simplify clinical workflows. Since the IntelliVue MX450 and MX500 can interface to other bedside devices, there's no need for a bedside device concentrator or an interface server.



Take monitoring with you

Environments that have large variability in acuity, such as the ED, step-down, conscious sedation, and the NICU, can be tough on patient monitors. The IntelliVue MX450 and MX500 are optimized for these formidable workflows. With a built-in handle and standard battery operation, these monitors are rugged enough to cope with demanding in-hospital transport – and compact enough to be convenient underway. The optional Philips quick-release mount allows you to unfasten either of these monitors from a secure bedside mounting in seconds. You can also keep the pace moving with the optional and lightweight bed hanger mount developed exclusively for the IntelliVue MX series.

Lower the likelihood of cross-contamination

We've engineered the IntelliVue MX450 and MX500 with infection control in mind. They're simple to clean thanks to smooth surfaces, minimal seams, and sturdy material approved for use with a variety of tested disinfecting agents.²

As with all IntelliVue monitors, these monitors have no hard drive and no cooling fans. As fan blades are likely to accumulate and distribute dust and pathogens, the IntelliVue MX450 and MX500 feature passive cooling, helping you in your battle against nosocomial infections.

² Refer to the IntelliVue Patient Monitoring Instructions for Use for a detailed list of approved cleaning agents.



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