



PHILIPS

IntelliVue

MX450 and MX500
patient monitors

Keeping pace
with your point of care

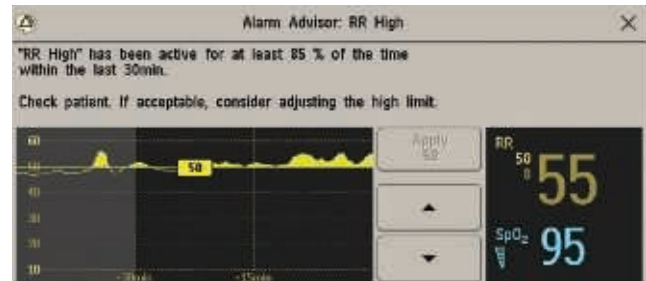


One intuitive view

at the point of care

Having comprehensive patient information at a glance can make a real difference when multiple patients and priorities demand your attention. Your monitoring also needs to change with patient acuity, and be able to withstand the rigors of in-hospital transport.

It is with this in mind that we designed the IntelliVue MX450 and MX500 to monitor a wide, flexible range of vital signs and relevant patient data, while giving you portability when needed. Whether you are in the ICU or on a sub-acute floor, the MX450 and MX500 monitors offer you the same high standard of patient monitoring you already associate with the rest of our IntelliVue family.



In situations where there are frequent non-actionable alarms, the optional Alarm Advisor application can track caregiver responses. It uses this data to provide notifications to encourage critical thinking for deploying alarm management strategies, or to personalize alarm thresholds depending on the patient's condition (according to hospital-defined guidance). The result can alleviate alarm fatigue, and help caregivers focus on clinically relevant and actionable alarms.



See it clearly and quickly

It is important to find what you need right away. The 12" touchscreen of the IntelliVue MX450 and MX500 makes it easy. You will also recognize the familiar, easy-to-use interface from your existing IntelliVue monitors. This consistency makes training and use as simple as possible.



The IntelliVue MX450 uses multi-measurement bedside modules with primary measurements.

Whether you are examining the patient in a brightly-lit environment, or allowing the patient to rest with room lights dimmed, you won't have to adjust the monitor's display brightness. The display, with its ambient light sensor, automatically adjusts screen brightness to maintain readability in nearly any lighting environment.



The IntelliVue MX500 adds the possibility of adding additional measurement modules.

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.



Ambient light adjustment is just part of why the IntelliVue MX450 and MX500 are both excellent solutions for critical care settings. The display of the IntelliVue MX450 or MX500 can adapt automatically as more natural light comes into the ICU from outside. This supports care delivery with a focus on the patients natural sleep cycle, with studies describing patients enjoying an overall better experience during their recovery.²

The display can also dim to minimum brightness when the unit's lights are turned off at night, so patients are not disturbed by unnecessary light. This can contribute to a much-needed good night's sleep – alleviating some of the stress of being a patient in an ICU.



Addressing the **changing needs** of healthcare

Like all clinicians, you rely on accurate, real-time physiological patient data when making decisions. In the dynamic, demanding environment of today's healthcare, the scope of that data is constantly evolving. The return on your hospital's considerable investment in an EMR relies on sharing data between clinical information systems, helping to contribute to the comprehensive availability of that data.

Make the most of your EMR

The IntelliVue MX450 and MX500 work to enhance your investment by helping reduce cost and complexity when connecting bedside devices to your EMR. If you are using the optional IntelliVue XDS software, you can even view the patient monitor remotely, while accessing the patient's record simultaneously on the EMR.

The optional IntelliBridge device interfacing on the IntelliVue MX450 and MX500 provide an efficient point of interfacing³ for ventilators and many other devices at the bedside and during in-hospital transport⁴. Clinical data from the monitor and other linked bedside devices are combined into a single HL7 message stream. Even alarm strips captured as electronic documents during in-hospital transport can be reviewed and transferred using a document import interface provided by the EMR.

The result is reliable, standards-based interfacing, without the need for a separate device concentrator, a data consolidation server, with the associated licensing contracts, and complications for your workflow. With the intuitive view of all available patient information this can make possible, you can make decisions with confidence.



Fit monitoring
around workflows

Today your 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 patient acuity levels change. Both devices support the IntelliVue MMS Multi-Measurement Module, IntelliVue MMS X2 and X3 Multi-Measurement Modules, and the MMS extensions. The MX500 can also accommodate specialty measurements via up to three single/double-width parameter modules.

Take monitoring with you

Environments that have large variability in acuity, such as the ED, step-down, conscious sedation, and NICU, can be tough on patient monitors. The IntelliVue MX450 and MX500 are optimized for these specialized clinical environments and workflows. With their built-in handles and standard battery operation, these monitors are rugged enough to cope with demanding in-hospital transport – and compact enough to be easy to transport. The optional Philips quick-release mount allows you to unfasten either of these monitors from a bedside mounting in seconds, to secure to the bed or gurney or trolley, using our optional and lightweight bed hanger mount developed exclusively for the IntelliVue MX series. (For the full range of mounting solutions, please refer to the Philips IntelliVue monitor mounting webpage.)



Supporting your infection-control protocols

We've engineered the IntelliVue MX450 and MX500 with infection control in mind. They are simple to clean because of the smooth surfaces, minimal seams, and sturdy material approved for use with a variety of tested disinfecting agents.⁵

As with all IntelliVue monitors, these monitors have no hard drive and use passive cooling. That means no fan blades that are likely to accumulate and distribute pathogens, helping you in your battle against hospital acquired infections.



¹ Philips defines actionable alarms that reflect the patient condition or device status and are relevant to the clinical condition of the patient (for example, low respiration rate alarm in patients with respiratory depression).

² Stuck, 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.

³ Requires IntelliBridge interface port(s). On the IntelliVue MX450 you can add up to two interfaces as expansion boards. On the IntelliVue

MX500 you can use any combination of IntelliBridge EC10 modules or expansion boards, for a total of up to two device interfaces. For device compatibility, refer to latest IntelliBridge EC10 external device compatibility list.

⁴ Wireless data transfer to EMR via Philips IntelliVue Information Center (PIIC) or Philips IntelliVue Information Center iX (PIIC iX). Use in transport is only possible with third-party devices that can also be used for transport.

⁵ Refer to the IntelliVue Patient Monitoring Instructions for Use for a detailed list of approved cleaning agents.

