



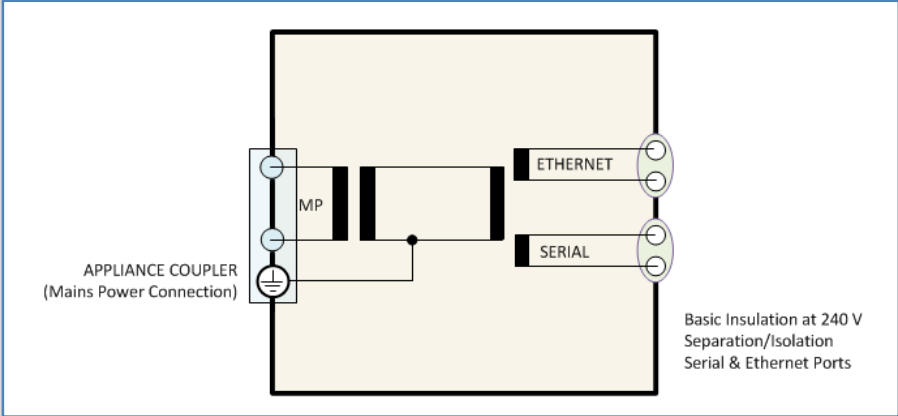
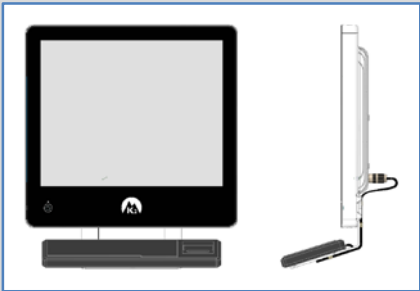
Medical Systems
Knowledge · Innovation

The new K2 Medical Systems Portal™

A superior medical panel PC designed and manufactured by K2 Medical Systems for use within the most demanding patient environments. The K2MS Portal™ is a certified medical device that combines with Microsoft Windows® embedded operating system for reliable and stable hosting of the K2MS Guardian™, K2MS INFANT™, and K2MS Athena™ software products. Highlights include:

- A rugged, fan-less, fully sealed and waterproof design.
- Peerless wipe-clean design for infection control.
- Internal electrical isolation for easy, safe connections to medical devices and hospital IT infrastructure.
- Internal power supply with energy store to power device during short-term outages.

Screen	19" standard aspect ratio (1280x1024) with integrated capacitive touch-screen.
PC Chipset	3 rd generation Intel® Atom E3845 quad core 1.91 GHz 4 GB DDR3 SRAM
Audio	Internal HDA CODEC with integrated sound transducer/loudspeaker for high quality audio within a sealed enclosure.
Isolated Interfaces	For connection to hospital IT networks and fetal monitors without the need for secondary isolation or separation safety measures. Basic Insulation for 240 V is implemented: Serial (RS232) Port Ethernet Port, 100/1000BaseT
Accessory Interface	For robust connection to an optional K2MS keyboard/touchpad accessory.
Disk Drive	Internal mSATA SSD (Solid State Drive), accessible under rear access cover.
Fingerprint Reader	Optical fingerprint scanner (Secugen® technology).
Environmental	IP55 sealed* ¹ with fully waterproof data and mains power connectors. Suitable for use by birthing pools. A true 'wipe-clean' design with solid toughened glass front. +10°C to +40°C operational temperature range.
Mechanical	<p>9 kg approximate weight 100 mm VESA Mount centrally positioned at device rear 440.9 mm wide, 421.4 mm high, 56.4 mm deep</p>
Operating System	Embedded OS developed by K2MS based on Microsoft® technology. Data security and virus protection ensured* ² .

Wireless	Wireless 802.11 b/g/n and Bluetooth ^{*3} 4.0 HS Internally fitted antenna	
Electrical	<p>110 – 240 Vac 50/60 Hz (110VA) Class I device for electrical safety (Protective Earth). Isolation Diagram:</p> 	
Internal PSU	Features internal super-capacitors energy store to keep device powered and operational during short-term power outages of 20-30 seconds.	
Keyboard Accessory (Optional)	<p>Keyboard with trackpad accessory together with a mount for attachment to the K2MS Portal™ ensuring ergonomic use.</p> 	
Cables	<p>Rugged Ethernet/network cables. Serial data cables for connection between the K2MS Portal™ and 3rd party fetal monitors or CTG machines.</p>	
Approvals	CE Marked	<p>Medical Device Directive 93/42/EEC EMC Directive 2004/108/EC RoHS Directive 2002/95/EC WEEE Directive 2002/66/EC</p>
	BS EN 60601-1:2006 +A12:2014	Medical electrical equipment. Part 1. General requirements for safety.
	BS EN 60601-1-2:2007	Medical electrical equipment. Part 1-2. Electromagnetic compatibility - Requirements and tests.
	BS EN 62366-1:2015	Medical Devices Part 1: Application of Usability Engineering to Medical Devices.
Compatible Mounting solutions	K2MS offer a range of high quality mounting solutions:	
	Wall Mounts	Height adjustable, articulated arms.
	Carts	<p>Available for using the K2MS Portal™ with, or without, a 3rd party fetal monitor. Height adjustable option for superior user ergonomics also offered.</p>

Specification subject to change without notice

*1 Designed for IP65 compliance

*2 The embedded operating system ensures data security and protection from virus and malware threats by strict control of data access and write privileges.

*3 Bluetooth operation subject to operating system restrictions