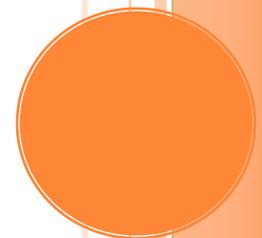


WHITE PAPER

Next generation Medical Panel PC for Endoscopic System in Hospital

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Wincomm Corporation
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Key Features: Skylake i5 CPU Passmark: 7421, PCI-E x 16 and Passed Newest Medical IEC-60601-1 4th edition certification

The next generation Medical Panel PC WMP-19C/22C/24C comes with the Intel 6th generation Skylake platform CPU. The 24 inch WMP-24C with Intel Skylake i5-6500TE, passmark: 7421 has the highest utilization computing performance on its panel size, compare to industry passmark average of 6443, in the medical grade panel PC industry. Continuously with strong hardware integration core competence, WMP C series wins the optimization computing power on the same panel size and CPU platform, moreover, it passed the latest medical certification with the best expansion flexibility, which is benefited from Wincomm highly integration with its own design capability. For example, Wincomm WMP series products are designed with a PCI-E [x16/x4] expansion slot. The USB slots have been upgraded to USB 3.1 gen 2 (only for wmp-24C) which, in comparison to USB3.0, can double the transfer speed up to 10Gbps.



Figure 1: WMP-24C/22C/19C Series Outlooking

Keep safety design concept, Anti-bacterial housing + 4KV Isolation

In addition to the significant increase in CPU performance and new customization options, the WMP-24C/22C/19C is a continuation of the WMP series housing design. The anti-bacterial housing is effective against MRSA (staph) which can't be reduced its effect by continuous alcohol cleaning the housing. With the safety design concept, WMP-24C/22C/19C can also be equipped with a 4KV Isolation COM / LAN / USB module. Signal isolation can block noise, reduce interference, and improve the transmission quality of the signal. This can prevent damage to expensive devices and the Panel PC, as well improving the user safety.

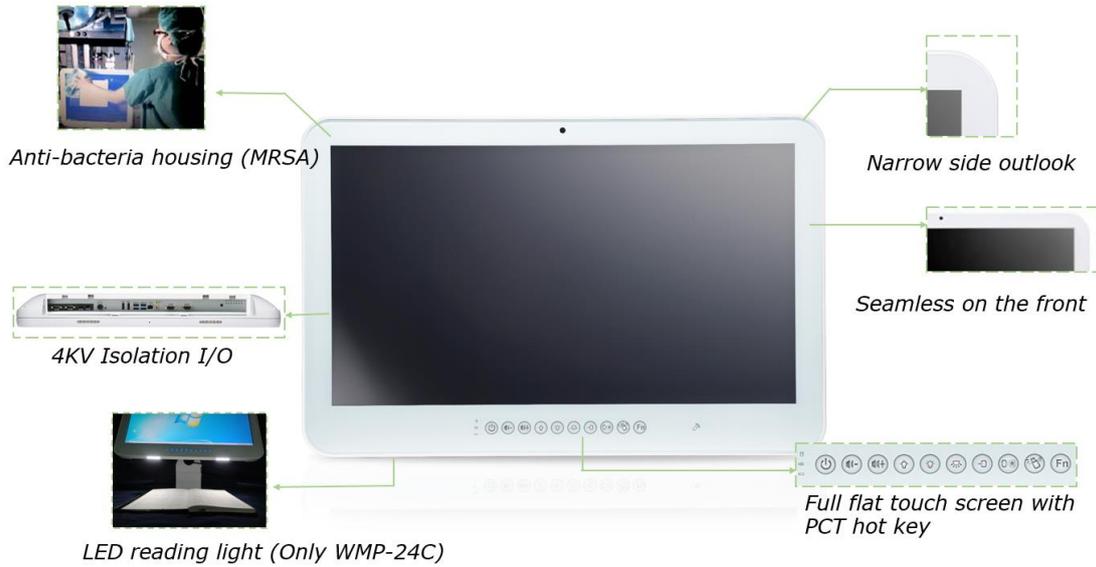


Figure 2: Next Generation Medical Panel PC Special Design Highlight

Wincomm WMP-24C used in Euro hospital endoscopic system

Featuring on High CPU performance, PCI-E[x16] expansion, Battery pack, lasting up to 50 minutes, and Medical UL/EN 60601-1 4th Edition Certified

Wincomm medical grade touch panel PC, WMP-24C, was used in a Euro hospital operating room’s endoscopic system. The WMP-24C meets the embedded endoscopic system specifications with its high performance CPU, graphics capabilities, PCI-E[x16] expansion function and image capture card. In addition, it has USB3.1 gen 2 slots, which transfer speed is up to 10Gbps, to conveniently connect other medical devices. The P-cap touch design allows users to easily operate the unit. The 24 inch WMP-24C with Intel Skylake i5-6500TE, passmark: 7421 has the highest performance for its panel size, compare to industry passmark average of 6443, in the medical grade panel PC industry, powerful to best suit for medical imaging transmission.



Figure 3: Medical Grade Panel PC WMP-24C is used for Endoscopic System



In a hospital setting, medical panel PC's which connect high-end medical equipment such as an endoscopy system, must meet the following conditions in order to be integrated into the hospital system.

System Features

- ✓ High performance Intel Skylake Core i7 -6700TE (Quad Core)
- ✓ Expansion PCI-E [x16] slot
- ✓ Battery pack 20-50 minutes
- ✓ USB3.1 gen 2
- ✓ vPro technology
- ✓ 2-4 x COM & 4-6 x USB slots
- ✓ PCAP touch quality

Wincomm has branches and offices in United States, Japan, and Europe, and dozens of channel partners. Currently the two winning products are already available on the market for sale. For more product information please visit the website <http://www.wincomm.com.tw/>



About Wincomm

Wincomm is one of Taiwan's leading manufacturer of industrial computer and embedded computer products. Wincomm designs and develops all in one panel PC, rugged box PC and embedded software products for a broad range of industries and applications. Wincomm aims to provide hardware and software integrated solutions for the most variant environments such as industrial automation, human machine interface control, infotainment Kiosk, and medical computing.