Best suit for edge computing utilization on Medical Imaging Processing

Wincomm next generation medical panel pc is a 40% performance increase over the previous generation WMP series. The graphics capabilities are improved significantly. Video output display port can connect to two independent external monitors and can support up to three different images simultaneously. The multiple display outputs are all capable of Ultra HD 4K resolution.

WMP-24F/22F/19F supports Intel Skylake / Kaby Lake CPU and Intel Vpro technology to effectively enhance the information security and strengthen remote access connections. In addition to the CPU upgrade, WMP-24F/22F/19F have a new customization option - FHD Capture card to cater to hospital workers requests:

FHD Capture card advantage of Wincomm solution
- Multi function of Endoscopy with surgical procedure / Ultrasound capture / Surgical recording and image capture integration system.
- Built directly into WMP series system, no extra installation needed on customer's end.
- Supports both hardware compression and software compression.
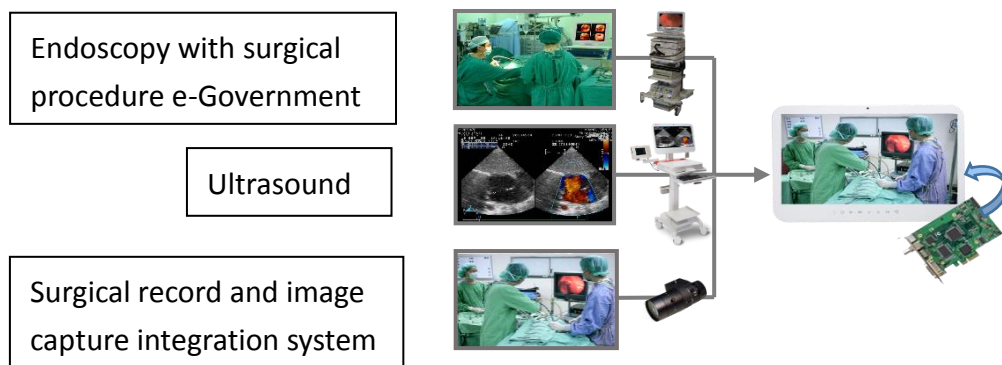- Complete compatibility and reliability test under Wincomm quality system.

Endoscopy with surgical procedure e-Government

Ultrasound

Surgical record and image capture integration system

Figure 1: WMP-24F/22F/19F Series Special Option – FHD Capture Card

Medical Grade Series ∘ Industrial e-Platform Series ∘ Full IP Series ∘ Explosion Proof Series

Furthermore, the WMP-24F/22F has other customization options:

■ Smart card reader

■ MSR card reader

■ Barcode Scanner

Figure 2: WMP-24F/22F/19F Series Special Option – Smart Card Reader, MSR Card Reader & Barcode Reader

In addition to the significant increase in CPU performance and new customization options, the WMP-24F/22F/19F is a continuation of the WMP series housing design. The anti-bacterial housing is effective against MRSA (staph), and the continuous use of alcohol to clean the unit will not reduce the anti-bacterial effect. In the design concept, Wincomm retains its flexible expansion slot design with a PCI-E [x16] slot. WMP-24F/22F/19F 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.

WMP-24F/22F/19F have acquired the latest Medical UL/EN 60601-1 4th edition certification, IEC-62133, Energy star 6.1 Compliance with FCC / CE / VCCI Class B; With better performance on energy saving and greatly improved safety on the electromagnetic wave, users are relieved from security concerns. The latest Medical UL/EN 60601-1 4th edition certification has higher requirements of EMC compliance.

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ESD levels are increased from 8KV air to 15KV air, and contact from 6KV to 8KV. Wincomm's Medical 60601-1 4th certification means their products can withstand higher amounts of environmental electromagnetic waves, resulting in more robust products and a substantial increase in user safety.

Figure 3: Medical UL/EN 60601-1 4th edition ; FCC / CE / VCCI Class B ; Energy star 6.1 Compliance

If you have any product or customization requirements, please contact Wincomm sales (mail: sales_support@wincomm.com.tw). For more product information, please visit the Wincomm website at http://www.wincomm.com.tw/

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