



Medical | [www.wincomm.com](http://www.wincomm.com)



# Medical Brief Solutions

Medical e-Healthcare Platform Solutions



**Wincomm**



## The Global Leading Application Ready ePlatform Service Provider

*-We Commit We Deliver*

Wincomm itself would commit to listen from voice of customers (V.O.C.) to high customization for Market Ready ePlatform to fulfill our valuable partner requirements.

Through our Application Ready Platform, integrated of our partners domain knowledge with the best specialty system solution, Wincomm would provide from HW to SW with Customization design to manufacturing service to fulfill flexible but specific applications.

With dedicated ePlatform Services, we develop Applied Computing Platform - Fulfill with Medical Panel PC & Industrial Automation & Stainless/Outdoor Panel PC, and Longevity & Stable Operation to satisfy various Customization & ODM applications.



## Table of Contents

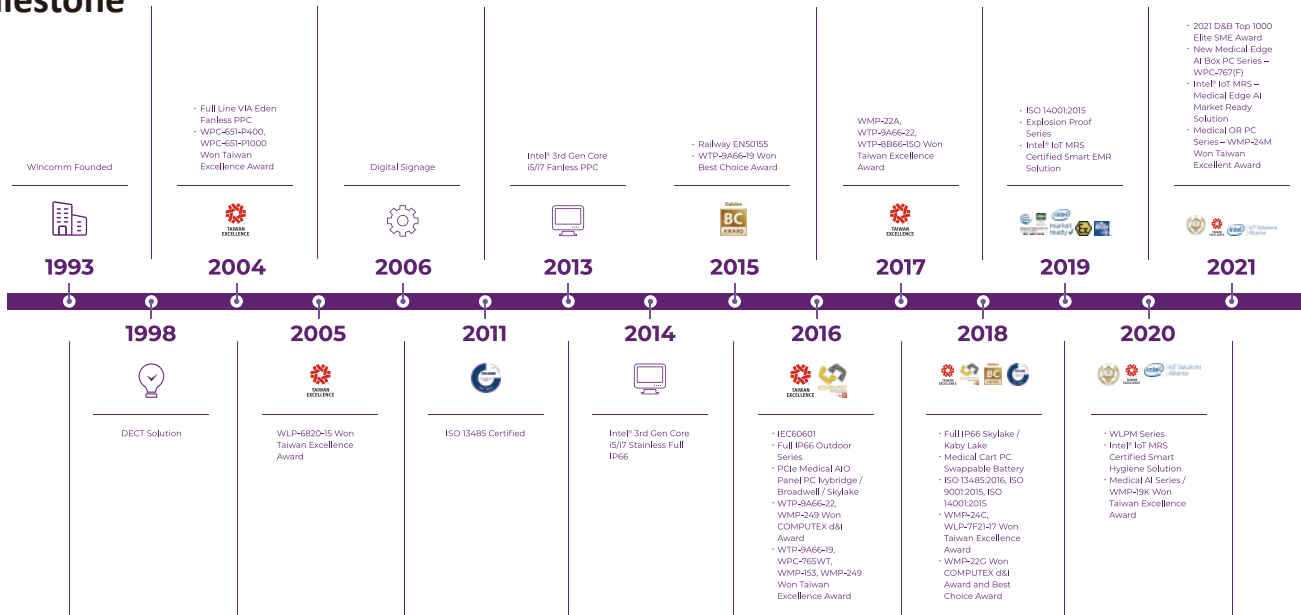
1	Company Introduction
3	Medical OR All In One PC Series
5	Powerful AI Ready Medical Solutions
9	Medical Cart All In One PC Series
13	Point of Care Medical All In One PC Series
17	Slim Medical All In One PC
19	Medical Display for Medical Device
21	Medical Box PC for Medical Device



## About Wincomm

Wincomm is one of Taiwan's leading manufacturer of medical and industrial panel PC with relative embedded computing products. Wincomm designs and develops all in one panel PC, selected monitor, rugged box PC and embedded software products for a broad range of medical to industrial applications. Founded in 1993, Wincomm is an ISO14001, ISO9001 & ISO13485 certified company and located in Science-Based Industrial Park (SBIP), Hsinchu, Taiwan.

## Milestone



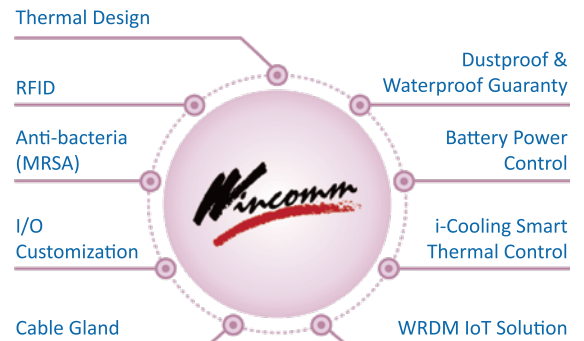
## Innovative Technology Service

### One-stop design and manufacturing services

- Share market info to engage project kick-off and development at early stage
- Ensure the consistency of design and manufacturing quality
- Speed up time-to-market by well-management of EVT/DVT/PVT/MP phase

### Logistic and product life cycle support

- Achieve on-time delivery (OTD) through ERP control and flexible operation
- Dedicated management of EOL key parts and timely after-sales service
- Cost and performance management in value chain
- Providing competitive costs by proactive and aggressive supply chain management
- Strategic bundling prices are considered for the co-existence of small and medium or huge volume project



## Manufacturing Process & Customization Service

### Flexible Capacity and Manufacturing Management to fulfill diversify needs

Wincomm is mainly focus on highly customization in versatile applications on small to middle amount applications, and thus developed a flexible capacity on customization production management system as our core manufacturing competence.

### Manufacturing Process



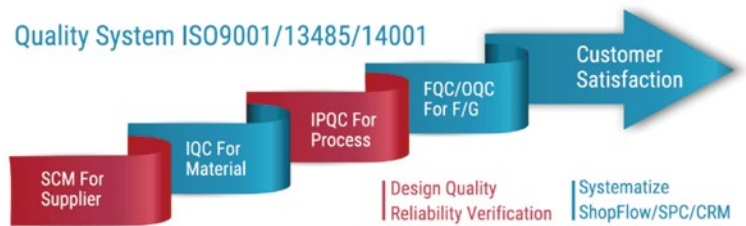
### Customization Service

To pursuit on highly customization design value, Wincomm developed a special design-manufacturing management system to exactly serve high diverse customer needs. In such a highly quality control system, it could insert a customized step to enable design-change flow at different amount requirement, and which is proof our valuable DMS technique to satisfy our global partners.



## Quality & Environment Policy

Wincomm has a strict quality control process, from material incoming IQC, in process IPQC and finish good FQC/ OQC. Besides, we also focus on supplier chain management (SCM), to continue enhancing suppliers' quality level via assessment and audit system. Base on most are customization - oriented product structure, we are committed to fulfill the up-to-date ISO standards to ensure the high quality level of all our products. Wincomm has been granted ISO9001:2015, ISO13485:2016 and ISO14001:2015 since 2018. Moreover, Wincomm has been passed ISO80079-34:2018, a specified quality system to be used by an organization for the production of equipment and protective systems for explosive atmosphere.



## Reliable Quality with Experienced Product Certification Granted

### Medical Grade Certification

All series of medical grade products passed with the latest version of medical safety IEC 60601-1 and EMC IEC 60601-1-2 certification in US, EU, JP and rest of the world, including CE / FCC / VCCI Class B, MDR (EN60601-1), UL/cUL (IEC 60601-1).

### Industrial Grade Certification

All series of industrial grade products passed CE/FCC/VCCI class B and Shock/Vibration/Drop test approval. In the series of full IP grade products, it passed IP66/69K and be able to pass rugged environment requirement. In 2019, Wincomm has been certificated ISO80079-34:2018, ready for C1D2/ATEX/IECex explosion proof products production, and now all kinds of professional products design are ready to deliver with this strictly quality control system.



## Award Winner



- Medical Series-Touch Panel PC**  
 2016 [Taiwan Excellence] WMP-153 / WMP-249  
 2016 [Computex d&i Award] WMP-249  
 2017 [Taiwan Excellence] WMP-22A  
 2018 [Taiwan Excellence] WMP-24C  
 2018 [Computex d&i Award] WMP-22G  
 2018 [Best Choice Award] WMP-22G  
 2021 [Taiwan Excellence] WMP-19K  
 2022 [Taiwan Excellence] WMP-24M
- Medical Series-Box PC**  
 2004 [Taiwan Excellence] WPC-651-P400/  
 WPC-651-P1000  
 2016 [Taiwan Excellence] WPC-765WT



- Industrial Series**  
 2005 [Taiwan Excellence] WLP-6820-15  
 2018 [Taiwan Excellence] WLP-7F21-17
- Full IP Series**  
 2015 [Best Choice Award] WTP-9A66-19  
 2016 [Taiwan Excellence] WTP-9A66-19  
 2016 [Computex d&i Award] WTP-9A66-22  
 2017 [Taiwan Excellence] WTP-9A66-22  
 2017 [Taiwan Excellence] WTP-8B66-150

## Wincomm Global Location



### Headquarters Taiwan

Address: 3F, No. 14, Prosperity Road II, Science-Based Industrial Park, Hsinchu, Taiwan, R.O.C  
 Phone: +886-3-578-0000  
 Contact: sales\_support@wincomm.com.tw  
 Website: www.wincomm.com.tw

### Wincomm USA

Address: 2138 Ringwood Avenue, San Jose, CA 95131 USA  
 Phone: +1-408-707-1075  
 Contact: sales\_support@wincomm.com.tw  
 Website: www.wincommusa.com

### Wincomm Japan

Address: #206, 4-16-17, Namiki, Kawaguchi-City, Saitama, 332-0034, Japan  
 Phone: +81-48-255-6881  
 Contact: sales@wincomm.jp  
 Website: www.wincomm.jp



# Medical OR All In One PC Series

## Introduction

Medical OR All In One PC series is designed for operating room applications, such as endoscopic surgery, robotic surgery, and so on.

With anti-bacteria elegant aluminum housing, it supports full sealed waterproof for IP65 whole system, and two display port output, one unique video-input function to receive medical capture devices for all types of minimally invasive surgery.

The special power adapter inside design is featuring at clean and easy installation to secure operating safety.

## Key Features

- Intel® Core™ & Celeron Processor
- Support Windows 11 & fTPM
- LAN/COM 4KV Isolated Module
- 23.8" FHD MVA/AHVA Diagnostic Panel
- Power Supply Inside for WMP-24M-PIS
- Anti-Bacteria White Aluminum Elegant Housing
- Optional Full HD Capture Card & HDMI Video-In
- Waterproof IP65 for Whole System with I.O. Cover
- Medical Latest EN/UL 60601-1 & 60601-1-2 Certifications (MDR Ready)



Medical Certification Ready – EN/UL 60601-1 Safety 3.1, EMC 4th Edition, MDR



Waterproof IP65 for Whole System with I.O. Cover



FHD MVA/AHVA Diagnostic Panel with Optical Bonding



Anti-Bacteria (MRSA) Housing Defaulted Reduce Bacteria >99%



Equipped with Batteries or UPS Battery (WMP-24M)



DICOM Part 14 Compliance Ports



Isolated 4KV Ports Unique Electric Leakage Protection For COM/LAN/USB



Unique video-input Function to Display Medical Images





More Expansion On PCI-E/Mini-PCIe Ports AI Vision Accelerator Cards



Special Power Supply Inside Design to Secure Operating Safety

## Medical AIO Touch Panel PC- Point of Care I Fanless

Product Name	WMP-24M	WMP-24M-PIS
Product Photo		
<b>Main System</b>		
CPU	Intel® Comet Lake Core i7 / i5 / i3 / Pentium / Celeron processor (35W max.)	
Memory	DDR4 up to 64G	
Chipset	Intel® Q470E Chipset	
OS support	Win 10 / Win 11 IoT Enterprise	
<b>Display</b>		
Size	23.8"	
Resolution	1920 x 1080 (Full HD)	
Color Numbers	16.7M colors	
View Angle (H/V)	178 / 178	
Contrast	3000:1	1000:1
Brightness (nits)	250(MVA)	400(AHVA)
<b>Touch Panel &amp; IO</b>		
Type	Full Flat P.cap Touch	
USB	4 x USB 3.2 gen II	
COM	1 x RS232, 1 x RS232 / RS422 / RS485	
LAN	1 x RJ45 1Gbps Intel® I219LM (AMT/Vpro) 1 x RJ45 2.5Gbps Intel® I225V	
Video Port	Output: 1 x DP 1.2 / DP++, 1 x HDMI 1.4a; Input: 1 x HDMI-in	
<b>Storage &amp; Expansion</b>		
Storage	1 x M.2 (M Key, 2280) with PCIe x4 & SATA3 for SSD, 1 x 2.5" SATA3 HDD/SSD	
Expansion Slot	1 x PCI-E x16, 1x M.2 E key 2230, 1x M.2 (B/M Key, 2242/2260/2280) with PCIe1	
<b>Mechanical &amp; Environmental</b>		
Weight (kg)	10.8	11.2
Operating Temp.	0~40°C	
Cooling	Fanless	
IP rating	IP65 at front side, IP65 protection from 5-sides (6 sides with cable cover attached)	
<b>Power</b>		
Power Input	DC 14~24V	NA
Power Adapter	AC input 100 ~240V / 47 ~ 63 Hz, External	AC input 100 ~240V / 47 ~ 63 Hz / DC output 24V 250W, Internal
Optional Battery	Integrated battery 81Wh or 111.78Wh x 1 (output 100W max.)	NA
<b>Certification</b>		
Certification	CE: EN 60601-1-2:2015(V4.0), MDR: MDR 2017/745 VCCI: 2016-11, Class B FCC: Part 18 Class B UL: ANSI/AAMI ES60601-1:2012 (V3.1) cUL: CAN/CSA-C22.2 No. 60601-1:2014 (V3.1) ISO 14971 / IEC62133	
<b>Options &amp; Customization</b>		
Major Options	<ol style="list-style-type: none"> <li>802.11 ac/a/b/g/n WLAN + Bluetooth module (Wifi-5)</li> <li>802.11 ax/a/b/g/n WLAN + Bluetooth module (Wifi-6)</li> <li>2.5" SSD module</li> <li>M.2 type 2280 module</li> <li>RFID (13.56MHz)</li> <li>TPM 2.0 module</li> <li>Full HD capture card or 4K SC710N1 12G SDI capture card</li> <li>Equipotential terminal pin</li> <li>AG film</li> <li>DICOM part 14 compliance (optional order configuration)</li> <li>Optical bonding</li> </ol>	
	<ol style="list-style-type: none"> <li>Integrated battery 81Wh or 111.78Wh x 1 (output 100W max.)</li> <li>USB 5,6</li> </ol>	
Customization	<ol style="list-style-type: none"> <li>Tempered glass</li> <li>Touch with AG coating: anti-reflective, anti-microbial, anti-glare, anti-fingerprint</li> <li>Auto focus 5M pixel webcam module</li> </ol>	



# Powerful AI Ready Medical All In One PC

## Introduction

Powerful AI Ready Medical All In One PC series is designed for powerful medical imaging applications, especially for AI-assisted diagnostic to surgery application.

With unique independent graphic card design ready, it could speed up the AI-assisted imaging process, and one unique video-input function to receive medical capture devices for all types of minimally invasive surgery, making it perfectly suit for all kinds medical imaging process applications.

## Key Features

- Intel® Core™ Processor
- FHD MVA Diagnostic Panel
- Optional Internal UPS Battery Pack
- Anti-Bacteria White Plastic Housing
- Optional 2nd HDD Support RAID 0,1
- Optional Independent MXM Graphic Card
- Optional DICOM Part 14 Compliance Solution
- Optional USB/LAN/COM 4KV Isolated Module
- Waterproof Front IP65 & IPX1 for Whole System
- Medical Latest EN/UL 60601-1 & 60601-1-2 Certifications(MDR Ready)
- Optional PCIe Video Capture Card or Intel Vision Accelerator Card



Medical Certification Ready – EN/UL 60601-1 Safety 3.1, EMC 4th Edition, MDR



Waterproof IP65 for Whole System with I.O. Cover



Full Flat P-CAP Touch Screen With Easy To Clean Hot Key Design



Anti-Bacteria (MRSA) Housing Defaulted Reduce Bacteria >99%



Equipped with Swappable Batteries or UPS Battery



DICOM Part 14 Compliance Ports



Isolated 4KV Ports Unique Electric Leakage Protection For COM/LAN/USB



MXM Graphic Support 3D Medical Imaging







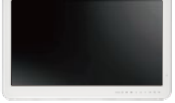
More Expansion On PCI-E/Mini-PCIe Ports AI Vision Accelerator Cards



Customization Service



## Powerful AI Ready All In One PC

Product Name	WMP-15C	WMP-22H	WMP-19K	WMP-22K (by project)	WMP-24K
Product Photo					
<b>Main System</b>					
CPU	Intel® Skylake/ Kaby Lake Core i5/i7	Intel® Kaby Lake Core i5/i7	Intel® Coffee Lake Refresh Core i5/i7		
Graphic	Intel® integrated HD Graphics	Intel® integrated HD Graphics Optional GPU MXM3.1 Type A GTX-1050	Intel® integrated HD Graphics Optional GPU MXM3.1 Type B GTX-1060 / RTX-2060		
Memory	up to 32G		up to 64G		
Chipset	Soc	Intel® Q170	Intel® Q370		
OS support	Win7 /Win8/ Win10		Win10		
<b>Display</b>					
Size	15.6"	21.5"	19"	21.5"	23.8"
Resolution	1366 x 768 (SXGA)	1920 x 1080 (FHD)	1280 x 1024 (SXGA)	1920 x 1080 (FHD)	
Color Numbers	16.7M				
View Angle (H/V)	170/160	178/178	170/160	178/178	
Contrast	500:1	3000:1	1000:1	3000:1	
Brightness (nits)	400	250	350	250	
<b>Touch Panel &amp; IO</b>					
Type	Full Flat P.cap Touch				
USB	USB 3.0 x 4		USB 3.1 gen II x 4		
COM	RS232 x 1, RS232/RS422/RS485 x 1				
LAN	RJ45 x 2				
Audio	3.5mm phone jack connector * 2 (Mic-In, Line-Out)				
Video	DP x 2				
<b>Storage &amp; Expansion</b>					
Storage	500G HDD	128G TLC SSD	M.2 M.Key 2280 PCIe x 4 NVMe SSD Up to 1TB Optional 2nd 2.5" SATA.III SSD/HDD Up to 2 TB		
Expansion Slot	PCI-E*4 x 1, Mini PCIe x 1 M.2 Type E key x 1 for WiFi + Bluetooth Module		PCI-E*4 x 1 M.2 Type E key x 1 for WiFi + Bluetooth Module		
<b>Mechanical &amp; Environmental</b>					
Weight (kg)	5.0	7.5	7.5	TBD	9.0
Operating Temp.	0~35°C	0~40°C	0~40°C	0~40°C	0~40°C
Cooling	Fanless	Fan			
IP rating	IP65 at front side/IPx1 for whole system				
<b>Power</b>					
Power Input	DC 9~32V	DC 14~28V	DC 14~19V	TBD	DC 14~19V
Power Adapter/Battery	AC 100~240V / UPS Battery	AC 100~240V / Hot-swappable Battery	AC 100~240V / UPS Battery		
<b>Certification</b>					
Certification	CE: EN 60601-1-2:2015(V4.0) MDD: EN 60601-1:2006/A1:2013(V3.1) VCCI: 2016-11, Class B (22H: PSU/Battery with PSE) FCC: Part 18 Class B UL: ANSI/AAMI ES60601-1:2012 (V3.1) cUL: CAN/CSA-C22.2 No. 60601-1:2014 (V3.1) ISO 14971 / IEC62133		CE: EN 60601-1-2:2015(V4.0) MDR: MDR 2017/745 VCCI: 2016-11, Class B (PSU with PSE) FCC: Part 18 Class B UL: ANSI/AAMI ES60601-1:2012 (V3.1) cUL: CAN/CSA-C22.2 No. 60601-1:2014 (V3.1) ISO 14971 / IEC62133		
<b>Options &amp; Customization</b>					
Major Options	1. Anti-bacteria Stand or VESA Wall Mount 2. Power Adaptor w/ 2m DC Extension Cable 3. Power Plug Holder 4. Full HD Capture Card 5. 4KV ISO COM x 2, ISO LAN x 1, ISO USB x 1 6. TPM 2.0 Module		7. RFID (13.56Hz) 8. Equipotential Terminal Pin 9. AG Film 10. Smart Card Reader 11. 2.5" SSD or HDD Module 12. Movidius Card for Vision Accelerator Card		
	* UPS Battery Pack (100W max.) * 3.2M Webcam (USB)	* Hot Swappable Battery Pack: DR202W2 x 3 * Charger Bank: JW202W2 * 5M AF Webcam * Side 2 x USB3.0 or USB3.1 GenII * DICOM Part 14 Module	* UPS Battery Pack x 1 (100W max.) * 5M AF Webcam * 5V1A Power Jack * Side 2 x USB * Extra 2 x COM * DICOM Part 14 Compliance Module		
Customization	1. Temper Glass 2. Up to 6 x USB, 4 x COM	1. Temper Glass 2. Power Out_COM Port Support 5V1A 3. AG Coating	By Project		1. Tempered Glass 2. Touch with AG coating

## Medical Box PC

Product Name	WPC-767	WPC-767F
Product Photo		
<b>Main System</b>		
CPU	Intel® 8th/9th Generation Intel® Core i7/i5/i3, Pentium and Celeron Processor, 35W Max	Intel® 8th/9th Generation Intel® Core i7/i5/i3, Pentium and Celeron Processor, 65W Max
Memory	DDR4 up to 32G	
Chipset	Intel® H310 Express	
OS support	Windows 10 (2019-LTSC) (64bit), Windows 11 (64bit)	
<b>IO</b>		
USB	4 x USB 3.0(S5 Support 5V/1A) ; 2 x USB 2.0	
COM	2 x RS232/RS422/RS485 (Ri/5V/12V)	
LAN	2 x RJ-45 (LAN 1 : Intel® i219V ; LAN 2 : Intel® i211AT)	
Video Port	1 x DP1.2, 1 x DVI-D, 1 x VGA	
<b>Storage &amp; Expansion</b>		
Storage	1 x 2.5" SATA HDD / Optional Easy Removable Drive Bay 1 x 2.5" SATA HDD 1 x M.2 M.Key 2280 SSD (Conflict with Easy Removable Drive Bay)	
Expansion Slot	1 x M.2 (Key E, 2230) for Wireless 1 x Mini-PCIe (Full Size) 1 x PCI-Ex16(25W max) 1 x PCI-Ex1(10W max)	1 x M.2 (Key E, 2230) for Wireless, 1 x Mini-PCIe (Full Size) 1 x PCI-Ex16(75W max) 1 x PCI-Ex1(10W max)
<b>Mechanical &amp; Environmental</b>		
Weight (kg)	TBD	TBD
Operating Temp.	0~35°C	0~50°C
Cooling	Fanless	Fan
<b>Power</b>		
Power Input	DC 12~24V	DC 12~24V
Power Adapter / Battery	AC input 100 ~240V, DC output 24V 180W	
<b>Certification</b>		
Certification	CE: EN 60601-1-2:2015 (V4.0), MDR (2017/745) (By Project) VCCI: 2016-11, Class B (Power adapter with PSE) FCC: Part 18 Class B, Canada, ICES-003 UL: ANSI/AAMI ES60601-1:2012 (V3.1) (By Project) cUL: CAN/CSA-C22.2 No. 60601-1:2014 (V3.1) (By Project) ISO 14971 / IEC62133 (By Project)	
<b>Options &amp; Customization</b>		
Major Options	1. 802.11 ac/a/b/g/n WLAN + BT module 2. Equipotential terminal pin 3. 2.5" Easy Removable Bay (i-Door) for Second 2.5" HDD 4. Windows 10 (2019-LTSC) (64bit), Window 11 (64bit) 5. PCIe16 AI Core XP4 / XP8 (Intel Movidius 2 x AI Core XM 2280) 6. Power Adapter w/ 2 meter DC Extension Cable	
Customization	1. 65W CPU 2. M.2 M.Key 2280 (Can't Coexist with Easy Removable 2.5" HDD Drive Bay) 3. TPM 2.0 module	1. M.2 M.Key 2280 (Can't Coexist with Easy Removable 2.5" HDD Drive Bay) 2. TPM 2.0 module





# Medical Cart All In One PC Series

## Introduction

Medical Crat All In One PC series is designed for nursing cart applications.

With hot swappable batteries, it supports 24/7 run time and reading light to fulfill the nursing round from day time to night time. Equipped with Intel Core & Celeron processors, it extended original medical all in one series powerful design and upgraded the I.O. interface to the latest version.

With intelligent i-control management, it optimized computing power, battery and thermal performance to keep fanless under hospital operating temperature. The special power adapter inside design for WMP-24G-PIS is featuring at clean and easy installation to secure operating safety.

## Key Features

- Intel® Core™ & Celeron Processor
- FHD MVA Diagnostic Panel
- Optional 2nd HDD Support RAID 0,1
- Optional PCIeX4 Full HD Capture Card
- Power Supply Inside for WMP-24G-PIS
- Optional USB/LAN/COM 4KV Isolated Module
- Anti-Bacteria White Plastic Housing & Fanless
- Reading Light Suit for Night Time Nurse Round
- Waterproof Front IP65 & IPX1 for Whole System
- Hot Swappable Battery Up to Three for 24/7 Operation
- Optional Vpro by CPU for Remote Control Management
- Medical Latest EN/UL 60601-1 & 60601-1-2 Certifications (MDR Ready)



Medical Certification Ready  
– EN/UL 60601-1 Safety 3.1,  
EMC 4th Edition, MDR



Waterproof IP65  
for Whole System with I.O.  
Cover



Full Flat P-CAP Touch  
Screen With Easy To Clean  
Hot Key Design



Anti-Bacteria (MRSA)  
Housing Defaulted Reduce  
Bacteria >99%



Hot Swappable  
Battery Up to Three



Support Vpro CPU  
for Intel Active Management  
Technology



Isolated 4KV  
Ports Unique Electric  
Leakage Protection For  
COM/LAN/USB



Reading Light for  
Nurse Round at Night








More Expansion On  
PCI-E/Mini-PCIe Ports  
AI Vision Accelerator Cards







Customization  
Service

# Medical Cart All In One PC

Product Name	WMP-24J	WMP-22J	WMP-24G-PIS	WMP-24G	WMP-22G
Product Photo					
<b>Main System</b>					
CPU	Intel® Whiskey Lake Lake Core i5/i7 (15W)		Intel® Kaby Lake Core i5/i7 (15W)		
Memory	up to 64 G		up to 32 G		
Chipset	Soc				
OS support	Win10				
<b>Display</b>					
Size	23.8"	21.5"	23.8"	23.8"	21.5"
Resolution	1920 x 1080 (Full HD)				
Color Numbers	16.7M				
View Angle (H/V)	178/178				
Contrast	3000:1				
Brightness (nits)	250				
<b>Touch Panel &amp; IO</b>					
Type	Full Flat P.cap Touch				
USB	USB 3.1 Gen II x 4		USB 3.0 x 4		
COM	RS232 x 1, RS232/RS422/RS485 X 1				
LAN	RJ45 x 2				
Video Port	DP x 2, HDMI video-in x 1		DP x 2		
<b>Storage &amp; Expansion</b>					
Storage	1 x M.2 NVMe SSD, 1 x 2.5" SSD/HDD w/ doggy door		2.5" TLC SSD, 128 to 512 GB, Optional Second Storage M.2 SATA SSD 2260 up to 512GB		
Expansion Slot	PCI-E*4 x 1 M.2 Type E key x 1 for WiFi + Bluetooth Module		PCI-E*4 x 1, Mini PCIe x 1 M.2 Type E key x 1 for WiFi + Bluetooth Module		
<b>Power</b>					
Power Input	DC 14~24V		DC 14~28V		
Power Adapter/ Battery	AC 100~240V / Optional 3 x Hot Swappable Battery Pack(DR202W2)				
<b>Mechanical &amp; Environmental</b>					
Weight (kg)	9.0	7.0	9.8	9.0	7.0
Operating Temp.	0~40°C		0~35°C		0~40°C
Cooling	Fanless				
IP rating	IP65 at front side/ IPx1 for whole system				
<b>Certification</b>					
Certification	CE: EN 60601-1-2:2015(V4.0), MDR: MDR 2017/745 VCCI: 2016-11, Class B (PSU/Battery with PSE) FCC: Part 18 Class B UL: ANSI/AAMI ES60601-1:2012 (V3.1) cUL: CAN/CSA-C22.2 No. 60601-1:2014 (V3.1) ISO 14971 / IEC62133		CE: EN 60601-1-2:2015(V4.0), MDD: EN 60601-1:2006/A1:2013(V3.1) VCCI: 2016-11, Class B (PSU/Battery with PSE) FCC: Part 18 Class B UL: ANSI/AAMI ES60601-1:2012 (V3.1) cUL: CAN/CSA-C22.2 No. 60601-1:2014 (V3.1) ISO 14971 / IEC62133		
<b>Options &amp; Customization</b>					
Major Options	<ol style="list-style-type: none"> <li>Hot Swappable Battery Pack: DR202W2 (Li-ion 10.8V 7500mAh) x 3</li> <li>Charger Bank: JW202W2</li> <li>5M AF Webcam</li> <li>Full HD Capture Card</li> <li>4KV ISO COM x 2, ISO LAN x 1, ISO USB x 1</li> <li>TPM 2.0 Module</li> <li>Power Plug Holder</li> <li>Side 2 x USB</li> </ol>		<ol style="list-style-type: none"> <li>RFID (13.56Hz)</li> <li>Equipotential Terminal Pin</li> <li>AG Film</li> <li>Smart Card Reader</li> <li>2.5" SSD or HDD Module</li> <li>Anti-bacteria Stand or VESA Wall Mount</li> <li>Power Adaptor w/ 2m DC Extension Cable</li> <li>Cable Clean I.O. Cover</li> </ol>		
	<ul style="list-style-type: none"> <li>* DICOM Part 14 Compliance</li> <li>* 5V1A Power Jack (for standard type)</li> <li>* UHD(4K2K) Diagnostic Panel for WMP-24J</li> <li>* Customization Light Sensor for Auto Brightness (can't co-exist with webcam)</li> </ul>		<ul style="list-style-type: none"> <li>* Power Supply Inside for WMP-24G-PIS Only</li> </ul>		
Customization	<ol style="list-style-type: none"> <li>AG Coating</li> <li>Temper Glass</li> <li>Power Out_COM Port support 5V1A</li> </ol>				

## Medical Cart Accessory - Charger Station

## Medical Cart Accessory - Swappable Battery

Product Photo			Product Photo				
Model Name	JW202W2		Model Name	DR202-W2	DR202-35E	DR202-GA	
<b>Main Body</b>	Charging Time	1 Hr for 70%, 2 Hrs for 100%	<b>Main Body</b>	Battery Type	353P Lithium-ion x 3		
	Warranty	1 year		Battery Voltage	DC: 10.8 V		
	Input Power	19V/200W Power Adapter		Battery Capacity	7500mAh	10050mAh	10350mAh
<b>LED Indicator in WMP G/H/J series</b>	In Charge	Amber Light		Battery Energy	81Wh	108.5Wh	111.78Wh
	Full Charge	Green Light		Charging Time	w/Charger Station, 1 Hr for 70%, 2 Hrs for 100% (w/JW202W2)		
	Battery Fault	Green-Amber Flashing		Warranty	1 year		
	Not in charge	LED off		Max. Continuously discharge	10A (max continuous power ≤ 100W at 50°C), 50% after 600 Cycle, Max. peak discharge: 16A/144W		
<b>Environmental &amp; Mechanical Characteristics</b>	Temperature	Operating Temperature 0~40°C (32°F ~ 104°F)		<b>Battery LED Indicator</b>	One LED Flashing	0%~5% capacity	
		Storage Temperature -20°C ~ 60°C(-4°F ~ 140°F)			One LED Lighting	5%~25% capacity	
	Storage Humidity	10%~95%@35°C, noncondensing			Two LED Lighting	25%~50% capacity	
	Architecture	ABS + Plastic	Three LED Lighting		50%~75% capacity		
	Housing	White	Four LED Lighting		75%~100% capacity		
	Dimensions (Net: mm)	188(L) x 158(W) x 83(H) mm	<b>LED Indicator in WMP G/H series</b>		In Charge	Blinking Green	
	Weights (Net: kg)	1.5 Kg (TBC)			Full Charge	Green	
<b>Power Supply</b>	AC Input	100-240V AC @50-60 Hz, 3.5-2.5A	Discharge	Blinking Blue			
	DC Output	19V / 10.52A, 200W max	Low Battery	Quick Blinking Blue			
<b>Certification</b>	FCC part 15, CE-EMC, RoHS2.0		Not in charge	Normal: blue; Dark: no battery (OSD check battery status)			
<b>Safety</b>	Supports protection from over-voltage (input and output), over-current (input and output), short circuit, overcharge, over-discharge, and battery over-temperature protection (OTP)		<b>Environmental &amp; Mechanical Characteristics</b>	Temperature	Operating Temperature charge:0~50°C ; discharge:-20~75°C		
	Charge Protection	OVP: Over-Voltage Protection		<b>Certification</b>	Storage Humidity	Storage Temperature -30~60°C	
		OCP: Over-Current Protection			Storage Humidity	10%~95%@35°C, noncondensing	
		OTP: Over-Temperature Protection			Architecture	ABS + Plastic	
		UTP: Under-Temperature Protection			Housing	White	
	Discharge Protection	UVP: Under-Voltage Protection			Dimensions (Net: mm)	148.7mm x 89mm x 19.7mm per Battery	
		OCP: Over-Current Protection			Weights (Net: kg)	0.47kg per Battery	
		OTP: Over-Temperature Protection					
			UL2504, CE, PSE, IEC-62133, UN38.3				





# Point of Care Medical All In One PC Series

## Introduction

Point of Care Medical All In One PC series is designed for general purpose medical all kinds applications. With embedded battery, it supports up to 2 hours uninterrupted power to secure operation safety and anti-bacterial plastic housing to avoid infection.

The optional isolated configuration, signal and voltage feedback loops are also eliminated, assuring no interference between the Panel PC and versatile medical equipment devices. Moreover, patient safety is not compromised due to high voltage issues as well.

## Key Features

- Intel® Core™ & Celeron & Atom Processor
- FHD MVA Diagnostic Panel
- Optional Embedded Batteryx1
- Reading Light for WMP-24F/24C
- Anti-Bacteria White Plastic Housing
- Optional Video-In for WMP-24F/24C
- Optional USB/LAN/COM 4KV Isolated Module
- Waterproof Front IP65 & IPX1 for Whole System
- Optional PCIe4 or PCIe16 Full HD Capture Card
- Optional Vpro by CPU for Remote Control Management
- Medical Latest EN/UL 60601-1 & 60601-1-2 Certifications (MDR Ready)



Medical Certification Ready – EN/UL 60601-1 Safety 3.1, EMC 4th Edition, MDR



Waterproof IP65 for Whole System with I.O. Cover



Full Flat P-CAP Touch Screen With Easy To Clean Hot Key Design



Anti-Bacteria (MRSA) Housing Defaulted Reduce Bacteria >99%



Equipped with UPS Battery



DICOM Part 14 Compliance Ports



Isolated 4KV Ports Unique Electric Leakage Protection For COM/LAN/USB



Support Vpro CPU for Intel Active Management Technology




More Expansion On PCI-E/Mini-PCIe Ports AI Vision Accelerator Cards



Customization Service




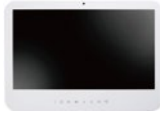


## Point of Care Medical All In One PC - Fanless

Product Name	WMP-19J	WMP-15J	WMP-24C	WMP-22C
Product Photo				
<b>Main System</b>				
CPU	Intel® Whiskey Lake Lake Core i5/i7 (15W)		Intel® Skylake/ Kaby Lake Core i5/i7 (15W)	
Memory	up to 64 G		up to 32 G	
Chipset	Soc		Intel® Q170	Soc
OS support	Win10		Win7 /Win8 / Win10	
<b>Display</b>				
Size	19"	15.6"	23.8"	21.5"
Resolution	1280 x 1024 (SXGA)	1366 x 768	1920 x 1080 (Full HD)	
Color Numbers	16.7M			
View Angle (H/V)	170/160		178/178	170/160
Contrast	1000:1	500:1	3000:1	1000:1
Brightness (nits)	350	400	250	
<b>Touch Panel &amp; IO</b>				
Type	Full Flat P.cap Touch			
USB	USB 3.1 Gen II x 4		USB 3.1 gen II x 2, USB 3.0 x 2	USB 3.0 x 4
COM	RS232 x 1, RS232/RS422/RS485 X 1		RS232 x 2	RS232 x 1, RS232/RS422/RS485 X 1
LAN	RJ45 x 2		RJ45 x 1	RJ45 x 2
Video Port	DP1.2 x 1, HDMI 1.4 x 1		DP x 2	
<b>Storage &amp; Expansion</b>				
Storage	M.2 NVMe & SATA III x 1, Optional 2.5" SSD/HDD		2.5" SATA HDD x 1, mSATA via mini PCI-E x 1, Optional 2nd 2.5" SATA HDD	
Expansion Slot	PCI-E*4 x 1 M.2 Type E key x 1 for WiFi + Bluetooth Module		PCI-E*16 x 1, Mini PCIe x 1 M.2 Type E key x 1 for WiFi + Bluetooth Module	
<b>Mechanical &amp; Environmental</b>				
Weight (kg)	7.5	5	9.7	7
Operating Temp.	0~40°C		0~35°C	
Cooling	Fanless			
IP rating	IP65 at front side/ IPx1 for whole system			
<b>Power</b>				
Power Input	DC 14~24 V		DC 9~32V	
Power Adapter / Battery	AC 100~240V, Optional UPS Battery			
<b>Certification</b>				
Certification	E: EN 60601-1-2:2015(V4.0), MDD: EN 60601-1:2006/A1:2013(V3.1), VCCI: 2016-11, Class B (PSU with PSE) FCC: Part 18 Class B, UL: ANSI/AAMI ES60601-1:2012 (V3.1), cUL: CAN/CSA-C22.2 No. 60601-1:2014 (V3.1) ISO 14971 / IEC62133			
<b>Options &amp; Customization</b>				
Major Options	<ol style="list-style-type: none"> <li>UPS Battery Pack (100W max)</li> <li>Cable Clean I.O. Cover</li> <li>Power Adaptor w/ 2m DC Extension Cable</li> <li>Full HD Capture Card</li> <li>4KV ISO COM x 2, ISO LAN x 1, ISO USB x 1</li> <li>TPM 2.0 Module</li> <li>Power Plug Holder</li> </ol>		<ol style="list-style-type: none"> <li>RFID (13.56Hz)</li> <li>Equipotential Terminal Pin</li> <li>AG Film</li> <li>2.5" SSD or HDD Module</li> <li>Anti-bacteria Stand or VESA Wall Mount</li> </ol>	
	<ul style="list-style-type: none"> <li>* 5V1A Power Jack (for standard type)</li> <li>* Smart Card Reader</li> <li>* Light Sensor for Auto Brightness or 5M AF Webcam</li> <li>* DICOM Part 14 Module</li> <li>* FHD Panel (Not Covered by Cert. Report)</li> <li>* Extra 2 x USB, 2 X COM</li> </ul>		<ul style="list-style-type: none"> <li>* Up to 6 x USB, 6 X COM</li> <li>* UHD(4K2K) Diagnostic Panel</li> <li>* HDMI Video-In</li> <li>* DVD Drive</li> <li>* IP54 Rear</li> </ul>	
Customization	<ol style="list-style-type: none"> <li>Temper Glass</li> <li>Power Out_COM Port support 5V1A</li> <li>Touch panel with anti-glare coating</li> <li>COM ports support 5V1A output</li> <li>Up to 6 x COM (Remove USB X 2 in New Rear)</li> </ol>		<ol style="list-style-type: none"> <li>PCI riser card (BIOS change under Win 10)</li> <li>Tempered Glass</li> <li>UHD(4K2K) Diagnostic Panel</li> </ol>	
			<ul style="list-style-type: none"> <li>* 3.2M Webcam (USB)</li> <li>* PCI-E [x4] Riser Card</li> <li>* mSATA Module</li> <li>* Microphone on I/O Cover</li> </ul>	

## Point of Care Medical All In One PC - Fanless

Product Name	WMP-19C	WMP-15C	WMP-155
Product Photo			
<b>Main System</b>			
CPU	Intel® Skylake/ Kaby Lake Core i5/i7 (15W)		Intel® Apollo Lake J3455
Memory	up to 32G		up to 8G
Chipset	Soc		
OS support	Win7 /Win8 / Win10		Win 10
<b>Display</b>			
Size	19"	15.6"	
Resolution	1280 x 1024 (SXGA)	1366 x 768	
Color Numbers	16.7M		
View Angle (H/V)	170/160		
Contrast	1000:1	500:1	
Brightness (nits)	350	400	
<b>Touch Panel &amp; IO</b>			
Type	Full Flat P.cap Touch		
USB	USB 3.0 x 4		USB 3.0 x 2 USB 2.0 x 2
COM	RS232 x 1 RS232/RS422/RS485 X 1		
LAN	RJ45 x 2		
Video Port	DP x 2		
<b>Storage &amp; Expansion</b>			
Storage	2.5" SATA HDD x 1, mSATA via mini PCI-E x 1, Optional 2nd 2.5" SATA HDD		64G SSD
Expansion Slot	PCI-E*16 x 1 Mini PCIe x 1 M.2 Type E key x 1 for WiFi + Bluetooth Module		
<b>Mechanical &amp; Environmental</b>			
Weight (kg)	7.5	5	5.2
Operating Temp.	0~35°C		0~40°C
Cooling	Fanless		
IP rating	IP65 at front side/ IPx1 for whole system		
<b>Power</b>			
Power Input	DC 9~32V		DC 12V
Power Adapter / Battery	AC 100~240V, Optional UPS Battery		
<b>Certification</b>			
Certification	CE: EN 60601-1-2:2015(V4.0), MDD: EN 60601-1:2006/A1:2013(V3.1), VCCI: 2016-11, Class B (PSU with PSE) FCC: Part 18 Class B, UL: ANSI/AAMI ES60601-1:2012 (V3.1), cUL: CAN/CSA-C22.2 No. 60601-1:2014 (V3.1) ISO 14971 / IEC62133		
<b>Options &amp; Customization</b>			
Major Options	1. UPS Battery Pack (100W max) 2. Cable Clean I.O. Cover 3. Power Adaptor w/ 2m DC Extension Cable 4. Full HD Capture Card 5. 4KV ISO COM x 2, ISO LAN x 1, ISO USB x 1 6. TPM 2.0 Module 7. Power Plug Holder		8. RFID (13.56Hz) 9. Equipotential Terminal Pin 10. AG Film 11. 2.5" SSD or HDD Module 12. Anti-bacteria Stand or VESA Wall Mount
	* 3.2M Webcam (USB) * PCI-E [x4] Riser Card * mSATA Module * Microphone on I/O Cover		* Light Sensor or 5M AF webcam * 5V1A power jack * PCI-E x1 Riser Card * Extra 2 x USB, 2 X COM
Customization	1. Temper Glass; 2. Up to 6 x USB, 4 x COM		1. Tempered glass 2. 15.6" Full HD Diagnostic Panel

## Point of Care Medical All In One PC - Smart Fan

Product Name	WMP-24F	WMP-22F	WMP-19F	WMP-17F
Product Photo				
<b>Main System</b>				
CPU	Intel® Skylake/ Kaby Lake Core i5/i7 (35W)			
Memory	up to 32G			
Chipset	Intel® Q170			
OS support	Win7 /Win8 / Win10			
<b>Display</b>				
Size	23.8"	21.5"	19"	17"
Resolution	1920 x 1080 (Full HD)		1280 x 1024 (SXGA)	
Color Numbers	16.7M			16.2M
View Angle (H/V)	178/178		170/160	
Contrast	3000:1		1000:1	
Brightness (nits)	250		350	
<b>Touch Panel &amp; IO</b>				
Type	Full Flat P.cap Touch			5-wire Resistive Touch
USB	USB 3.1 gen II x 2, USB 3.0 x 2		USB 3.0 x 4	
COM	RS232 x 2		RS232 x 1, RS232/RS422/RS485 X 1	
LAN	RJ45 x 1		RJ45 x 1	
Video Port	DP x 2		DP x 1, DVI x 1	
<b>Storage &amp; Expansion</b>				
Storage	2.5" SATA HDD x 1, mSATA via mini PCI-E x 1, Optional 2nd 2.5" SATA HDD			
Expansion Slot	PCI-E*16 x 1 Mini PCIe x 1 M.2 Type E key x 1 for WiFi + Bluetooth Module		PCI-E*16 x 1 Mini PCIe x 2 for WiFi + Bluetooth Module	
<b>Mechanical &amp; Environmental</b>				
Weight (kg)	9.7	6.5	7.5	7
Operating Temp.	0~35°C		0~40°C	
Cooling	Fan			
IP rating	IP65 at front side/ IPx1 for whole system			
<b>Power</b>				
Power Input	DC 9~32V		DC 7~32V	
Power Adapter / Battery	AC 100~240V, Optional UPS Battery			
<b>Certification</b>				
Certification	CE: EN 60601-1-2:2015(V4.0), MDD: EN 60601-1:2006/A1:2013(V3.1) VCCI: 2016-11, Class B (PSU with PSE) FCC: Part 18 Class B		UL: ANSI/AAMI ES60601-1:2012 (V3.1) cUL: CAN/CSA-C22.2 No. 60601-1:2014 (V3.1) ISO 14971 / IEC62133	
<b>Power</b>				
Major Options	<ol style="list-style-type: none"> <li>UPS Battery Pack (100W max)</li> <li>Cable Clean I.O. Cover</li> <li>Power Adaptor w/ 2m DC Extension Cable</li> <li>Full HD Capture Card</li> <li>4KV ISO COM x 2, ISO LAN x 1, ISO USB x 1</li> <li>TPM 2.0 Module</li> <li>Power Plug Holder</li> </ol>		<ol style="list-style-type: none"> <li>RFID (13.56Hz)</li> <li>Equipotential Terminal Pin</li> <li>AG Film</li> <li>2.5" SSD or HDD Module</li> <li>Anti-bacteria Stand or VESA Wall Mount</li> <li>PCI-E [x16] Riser Card</li> </ol>	
	<ul style="list-style-type: none"> <li>* Up to 6 x USB, 6 X COM</li> <li>* UHD(4K2K) Diagnostic Panel</li> <li>* HDMI Video-In</li> <li>* DICOM Part 14 Module</li> <li>* 5M AF Webcam</li> <li>* DVD Drive</li> <li>* IP54 Rearr</li> </ul>		<ul style="list-style-type: none"> <li>*3.2M Webcam (USB)</li> <li>*PCI-E [x16] Riser Card,</li> <li>*mSATA Module</li> <li>*DICOM Part 14 Module</li> <li>*Microphone on I/O Cover</li> </ul>	
			<ul style="list-style-type: none"> <li>*3.2M Webcam (USB)</li> <li>*PCI-E [x16] Riser Card,</li> <li>*mSATA Module</li> <li>*Microphone on I/O Cover</li> </ul>	
Customization	<ol style="list-style-type: none"> <li>Temper Glass</li> <li>PCI Riser Card (BIOS at Win 10)</li> </ol>		<ol style="list-style-type: none"> <li>Temper Glass;</li> <li>Extra 2 x USB or 2 x COM</li> </ol>	



# Slim Medical All In One PC

## Introduction

Slim Medical All In One PC series is designed for limited space medical applications.

With chassis type housing, P-cap multi-touch and Intel® Pentium® N4200 and Celeron® N3350 processor, it targets on rising up remote healthcare, intelligent hospital, point of care at kiosk, doorway and automation factory applications.

## Key Features

- Intel® Pentium® N4200 or Celeron® N3350 Processor
- Waterproof Front IP65
- P-Cap Multi-Touch Panel
- Support fTPM from BIOS
- 10.1" 1280 x 800 LCD Panel
- Power Bottom for Easy Control
- Frameless with Aluminum Side Housing
- CE EN60601-1-2 & CE/VCCI/FCC Class B
- Optional PoE Function for HMI Control Device
- Slim Size for Easy Installation on Limited Space



CE EN60601-1-2 & CE/VCCI/FCC Class B



Waterproof Front IP65



Full Flat P-CAP Touch Screen With Easy To Clean Hot Key Design




Chassis Design Ready for Installation



Power over Ethernet for Embedded Applications

## Slim Medical All In One PC

<b>Product Name</b>	WMP-105		
<b>Product Photo</b>			
<b>Main System</b>			
<b>CPU</b>	Intel® Celeron N3350 or Pentium N4220		
<b>Memory</b>	up to 8G		
<b>Chipset</b>	SoC		
<b>OS support</b>	Win7/8/10		
<b>Display</b>			
<b>Size</b>	10.1"		
<b>Resolution</b>	1280 x 800		
<b>Color Numbers</b>	16.7M		
<b>View Angle (H/V)</b>	170/170		
<b>Contrast</b>	800:1		
<b>Brightness (nits)</b>	350		
<b>Touch Panel &amp; IO</b>			
<b>Type</b>	Full Flat P.cap Touch		
<b>USB</b>	USB 3.0 x 2		
<b>COM</b>	RS232/RS422/RS485 x1		
<b>LAN</b>	RJ45 x 2		
<b>Video Port</b>	HDMI 1.4a x 1 / VGA x 1		
<b>Storage &amp; Expansion</b>			
<b>Storage</b>	64G SSD		
<b>Expansion Slot</b>	Mini PCIe x 1 for WIFI + Bluetooth Module		
<b>Mechanical &amp; Environmental</b>			
<b>Weight (kg)</b>	1.25		
<b>Operating Temp.</b>	0~40°C		
<b>Cooling</b>	Fanless		
<b>IP rating</b>	IP65 at front side		
<b>Power</b>			
<b>Power Input</b>	DC 9~36V		
<b>Power Adapter / Battery</b>	AC 100~264V		
<b>Certification</b>			
<b>Certification</b>	CE: EN 60601-1-2:2015(V4.0), VCCI: 2016-11, Class B (PSU with PSE) FCC: Part 18 Class B		
<b>Options &amp; Customization</b>			
<b>Major Options</b>	<ol style="list-style-type: none"> <li>1. TPM 2.0 Module</li> <li>2. Wall Mount Bracket</li> <li>3. Power Adaptor w/ 2m DC Extension Cable</li> </ol>		
<b>Customization</b>	<ol style="list-style-type: none"> <li>1. RFID</li> <li>2. Webcam</li> <li>3. White Rear Cover</li> <li>4. PoE solution (not co-exist with wireless LAN)</li> </ol>		



# Medical Display for Medical Device

## Introduction

Medical Display series is designed for extended medical image from a PC system.

With 8-bit true color diagnostic panel, P-cap multi-touch and optional AG film design, it supports professional medical imaging display inside the hospital. Besides, the unique up to three video out with DVI-D, DP and HDMI-1.4a interface could suit for various medical image format requirement, such as 3D. The optional DICOM part 14 module is provided for X-ray or ultra sound solutions.

## Key Features

- Optional DICOM Part 14
- P-Cap Multi-Touch Panel
- Optional Anti-Glare Film to Avoid Refection
- CE EN60601-1-2 & CE/VCCI/FCC Class B
- Anti-Bacteria White Plastic Housing & Fanless
- Reading Light Suit for Night Time Nurse Round
- Waterproof Front IP65 & IPX1 for Whole System
- Video Output – DVI-D x 1, DP x 1, HDMI 1.4a x 1
- Ranging from 15.6", 21.5" to 23.8" True Color Diagnostic Panel (RGB-8 Bit)



CE EN60601-1-2 & CE/VCCI/FCC Class B



Waterproof Front IP65



Full Flat P- CAP Touch Screen With Easy To Clean Hot Key Design



Anti-Bacteria (MRSA) Housing Defaulted Reduce Bacteria >99%



DICOM Part 14 Compliance Ports



1 X DVI-D, 1 X DP, 1 X HDMI






Reading Light for Nurse Round at Night



Anti-glare film to avoid light fatigue or reflection

## Medical Monitor

Product Name	WMD-243	WMD-223	WMD-153
Product Photo			
<b>Display</b>			
Size	23.8"	21.5"	15.6"
Resolution	1920 x 1080 (Full HD)		1366 x 768
Color Numbers	16.7M		
View Angle (H/V)	178/178		170/160
Contrast	3000:1		500:1
Brightness (nits)	250		400
<b>Touch Panel &amp; IO</b>			
Type	Full Flat P.cap Touch		
USB	USB 2.0 input x 1		
Video Port	DP x 1 DVI-D x 1 HDMI x 1		
<b>Mechanical &amp; Environmental</b>			
Weight (kg)	8.65	6.4	4.6
Operating Temp.	0~45°C	0~40°C	
Cooling	Fanless		
IP rating	IP65 at front side/ IPx1 for whole system		
<b>Power</b>			
Power Input	DC 12V		
Power Adapter / Battery	AC 100~264V		
<b>Certification</b>			
Certification	CE: EN 60601-1-2:2015(V4.0), EN 60601-1:2006/A1:2013(V3.1), VCCI: 2016-11, Class B (PSU with PSE), FCC: Part 18 Class B ISO 14971		
<b>Options &amp; Customization</b>			
Major Options	1. AG Film		
Customization	1. DICOM Part 14 Module		



# Medical Box PC for Medical Device

## Introduction

Medical series is designed for medical device controller.

With powerful Intel Core processors, it supports compact and efficient medical controller to suit for various medical devices.

Besides, the unique up to three video out with DVI-D, DP and VGA interface could suit for various medical image format requirement.

In the edge AI box PC series, it could support two PCIx slots and one Mini-PCIe for up to 180 power output to fit to the edge computing requirement. The optional doorway 2nd storage design could support easier replace under operation.

## Key Features

- Intel® Core™ Processor
- PCIe Expansion Slots Up to Two
- CE EN60601-1-2 & CE/VCCI/FCC Class B
- Video Output – DVI-D x 1, DP x 1, VGA x 1
- Support Power Adapter Up to 180W (WPC-767 Series)
- Support Rich I.O., Up to 6 USB, 1 X VGA/DVI-D/DP, 2 LAN & 2 COM
- Optional Doorway 2nd Storage (WPC-767 Series)



CE EN60601-1-2 & CE/VCCI/FCC Class B



Up to 6 USB, 1 X VGA/DVI-D/DP, 2 LAN & 2 COM



1 X DVI-D, 1 X DP, 1 X VGA



Anti-Bacteria (MRSA) Housing Defaulted Reduce Bacteria >99%







More Expansion On PCI-E/Mini-PCIe Ports AI Vision Accelerator Cards



Customization Service



## Medical Box PC

Product Name	WPC-767	WPC-767F	WPC-766	WPC-766E
Product Photo				
<b>Main System</b>				
CPU	Intel® 8th/9th Generation Intel® Core i7/i5/i3, Pentium and Celeron Processor, 35W Max.	Intel® 8th/9th Generation Intel® Core i7/i5/i3, Pentium and Celeron Processor, 65W max.	Intel® Skylake Core i5/i7	
Memory	DDR4 up to 32G			DDR4 up to 32G
Chipset	Intel® H310 Express			Intel® Q170
OS support	Windows 10 (2019-LTSC) (64bit), Windows 11 (64bit)			Win7 /Win8 / Win10
<b>IO</b>				
USB	4 x USB 3.0(S5 Support 5V1A) ; 2 x USB 2.0			USB 3.0 x 4
COM	2 x RS232/RS422/RS485 (RI/SV/12V)			RS232 x 5, RS232/422/485 x 1
LAN	2 x RJ-45 (LAN 1 : Intel® i219V ; LAN 2 : Intel® i211AT)			RJ45 x 2
Video Port	1 x DP1.2, 1 x DVI-D, 1 x VGA			DP x 1, DVI-D x 1
<b>Storage &amp; Expansion</b>				
Storage	1 x 2.5" SATA HDD w/Optional Easy Removable Drive Bay 1 x 2.5" SATA HDD 1 x M.2 M.Key 2280 SSD (Conflict with Easy Removable Drive Bay)		2.5" SATA SSD x 1, Optional mSATA Co-share space with mini-PCIe	
Expansion Slot	1 x M.2 (Key E, 2230) for Wireless, 1 x Mini-PCIe (Full Size) 1 x PCI-Ex16 (25W max) 1 x PCI-Ex1 (10W max)	1 x M.2 (Key E, 2230) for Wireless, 1 x Mini-PCIe (Full Size) 1 x PCI-Ex16(75W max) 1 x PCI-Ex1(10W max)	Mini PCIe x 2 for WiFi + Bluetooth Module	PCI-E*16 x 1 Mini PCIe x 2 for WiFi + Bluetooth Module
<b>Mechanical &amp; Environmental</b>				
Weight (kg)	TBD		3.0	4.0
Operating Temp.	0~35°C	0~50°C	0~35°C	
Cooling	Fanless	Fan	Fanless	
<b>Power</b>				
Power Input	DC 12~24V			DC 9~28V
Power Adapter / Battery	AC input 100 ~240V, DC output 24V 180W		AC 100~240V, DC output 12V, 100W	AC 100~240V, DC output 12V, 100W/ UPS Battery
<b>Certification</b>				
Certification	CE: EN 60601-1-2:2015 (V4.0), MDR (2017/745) (By Project) VCCI: 2016-11, Class B (Power adapter with PSE) FCC: Part 18 Class B, Canada, ICES-003 UL: ANSI/AAMI ES60601-1:2012 (V3.1) (By Project) cUL: CAN/CSA-C22.2 No. 60601-1:2014 (V3.1) (By Project) ISO 14971 / IEC62133 (By Project)		CE: EN 60601-1-2:2015(V4.0), MDD: EN 60601-1:2006/A1:2013(V3.1) VCCI: 2016-11, Class B (PSU/Battery with PSE) FCC: Part 18 Class B UL: ANSI/AAMI ES60601-1:2012 (V3.1) cUL: CAN/CSA-C22.2 No. 60601-1:2014 (V3.1) ISO 14971 / IEC62133	
<b>Options &amp; Customization</b>				
Major Options	1. 802.11 ac/a/b/g/n WLAN + BT module 2. Equipotential terminal pin 3. 2.5" Easy Removable Bay (i-Door) for Second 2.5" HDD 4. Windows 10 (2019-LTSC) (64bit), Window 11 (64bit) 5. PCIe16 AI Core XP4 / XP8 (Intel Movidius 2 x AI Core XM 2280) 6. Power Adapter w/ 2 meter DC Extension Cable		1. Power Adaptor w/ 2m DC Extension Cable 2. TPM 2.0 Module 3. Equipotential Terminal Pin 4. mSATA Module	
Customization	1. 65W CPU 2. M.2 M.Key 2280 (Can't Coexist with Easy Removable 2.5" HDD Drive Bay) 3. TPM 2.0 module	1. M.2 M.Key 2280 (Can't Coexist with Easy Removable 2.5" HDD Drive Bay) 2. TPM 2.0 module	1. Black Heatsink/ Housing 2. Up to USB x 10	* PCI-E x 16 riser card (35W max.) * 2nd 2.5" SSD * Battery Pack * Full HD capture card * 4KV ISO USB x 1, ISO LAN x 1, COM x 2





## Application



Health Center / OR

Clinical / Surgical Healthcare

Automation Hospital



### IP SYSTEMES

8 rue du Colonel Chambonnet – BP67

69672 BRON Cedex

Tel. : 04 72 14 18 00

Fax : 04 72 14 18 01

[www.ip-systemes.com](http://www.ip-systemes.com) – [info@ip-systemes.fr](mailto:info@ip-systemes.fr)

