



IoT Solutions
Alliance

The Global Leading Panel PC Provider

WWW.WINCOMM.COM.TW

2021 Product Selection Guide

Empower Application Ready Solutions
with Wincomm e-Platform Service

- Medical Series
- Explosion Proof Series
- Full IP Series
- Industrial Series

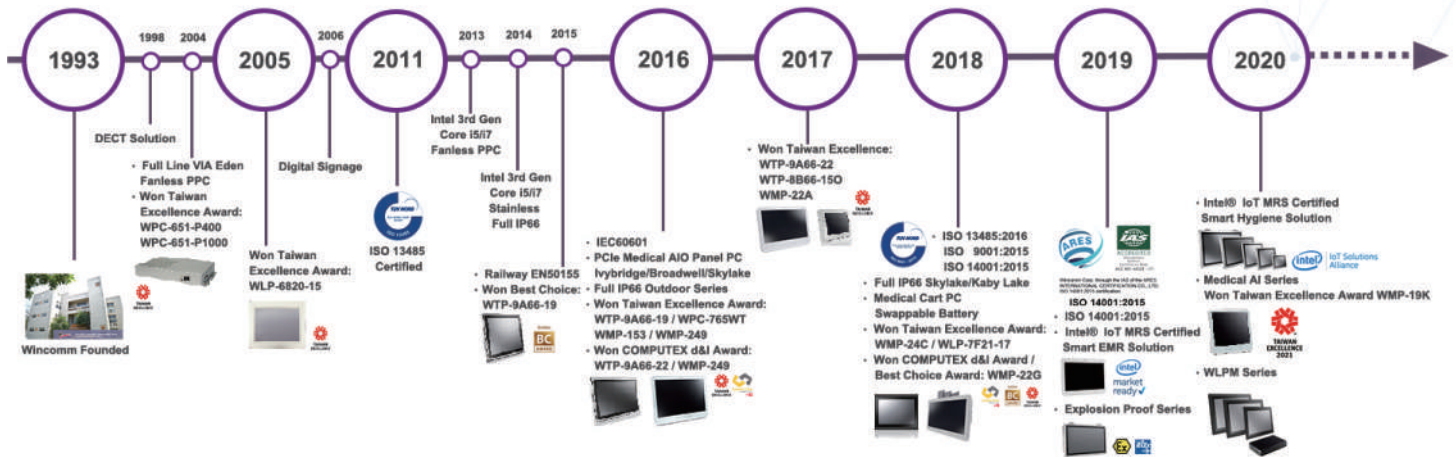
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About Wincomm

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-Base 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

Thermal Design

RFID

Anti-bacteria (MRSA)

I/O Customization

Cable Gland

Dustproof & Waterproof Guaranty

Battery Power Control

i-Cooling Smart Thermal Control

WRDM IoT Solution

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 in 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.

Quality System ISO9001/13485/14001



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



• Industrial Series

2005 [Taiwan Excellence] WLP-6820-15
 2018 [Taiwan Excellence] WLP-7F21-17



• Medical Series-Box PC

2004 [Taiwan Excellence] WPC-651-P400/
 WPC-651-P1000
 2016 [Taiwan Excellence] WPC-765WT



• 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

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Medical Series

- Medical AI Touch Panel PC - Powerful Imaging
- Medical Cart Touch Panel PC - Swappable Batteries
- Medical AIO Touch Panel PC - Point of Care
- Medical Box PC & Medical Monitor

Introduction

Wincomm medical grade product series are designed with the latest IEC 60601-1 Safety 3.1 edition and IEC-60601-1-2, EMC 4.0 edition certification, and now are ready for MDR certification.

It means all our medical grade products could withstand higher safety and reliability to benefit healthcare professionals. Besides, it features on leading expansion flexibility and customization service to fulfill versatile medical applications.

Key Features

- Intel® Core™, Celeron®, Atom® Various Processor with Optional Intel® vPro Support Processor
- Medical Latest EN/UL 60601-1 & 60601-1-2 Certifications
- Anti-Bacteria Hospital White Plastic Housing
- Front IP65 Ingress Protection & IPx1 for Whole System
- Optional 2nd HDD Support RAID 0,1
- Optional PCIe Expansion Flexibility
- Optional Internal UPS Battery pack or Hot Swappable Batteries
- Optional 4KV Isolated I/O Ports (LAN, COM & USB)



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



Waterproof IP65
Sealed And IPx1 With
Whole System



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

Medical AI Touch Panel PC

Medical AI Touch Panel PC - Powerful Imaging					
Product Name	WMP-15C	WMP-22H	WMP-19K	WMP-22K (by project)	WMP-24K
Product Photo					
Main System					
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 32G	up to 64G		
Chipset	Soc	Intel® Q170	Intel® Q370		
OS support	Win7 /Win8 / Win10	Win10			
Display					
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	
Touch Panel & IO					
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				
Storage & Expansion					
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		
Mechanical & Environmental					
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				
Power					
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		
Certification					
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 Battery, 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		
Options & Customization					
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 (22", 24" Only) 11. 2.5"" SSD or HDD Module 12. Movidius Card for Vision Accelerator		
	* 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	

All product specifications are subject to change without notice

Medical Cart Touch Panel PC

Medical Cart Touch Panel PC					
Product Name	WMP-24J	WMP-22J	WMP-24G-PIS	WMP-24G	WMP-22G
Product Photo					
Main System					
CPU	Intel® Whiskey Lake Lake Core i5/i7 (15W)		Intel® Kaby Lake Core i5/i7 (15W)		
Memory	up to 64 GB		up to 32G		
Chipset	Soc				
OS support	Win10				
Display					
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				
Touch Panel & IO					
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		
Storage & Expansion					
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		
Mechanical & Environmental					
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				
Power					
Power Input	DC 14~24V		DC 14~28V		
Power Adapter/ Battery	AC 100~240V / Optional 3 x Hot Swappable Battery Pack(DR202W2)				
Certification					
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		
Options & Customization					
Major Options	1. Hot Swappable Battery Pack: DR202W2 (Li-ion 10.8V 7500mAh) x 3 2. Charger Bank: JW202W2 3. 5M AF Webcam 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. Side 2 x USB		9. RFID (13.56Hz) 10. Equipotential Terminal Pin 11. AG Film 12. Smart Card Reader 13. 2.5" SSD or HDD Module 14. Anti-bacteria Stand or VESA Wall Mount 15. Power Adaptor w/ 2m DC Extension Cable 16. Cable Clean I.O. Cover		
	* 5V1A Power Jack (for standard type) * Light Sensor for Auto Brightness (can't co-exist with webcam) * DICOM Part 14 Compliance * UHD(4K2K) Diagnostic Panel for WMP-24J		* Power Adaptor Inside for WMP-24G-PIS Only		
Customization	1. Temper Glass 2. Power Out_COM Port support 5V1A 3. AG Coating 4. Medical Touch AIO Anti-Bacteria (Anti-MRSA)				

All product specifications are subject to change without notice

Medical Cart Accessory - Battery & Charger Station

Medical Cart Accessory - Charger Station		
Product Name	JW-202W2	
Product Photo		
Main Body	Charging Time	1 Hr for 70%, 2 Hrs for 100%
	Warranty	1 year
	Input Power	19V/200W Power Adapter
LED Indicator in WMP G/H series	In Charge	Amber Light
	Full Charge	Green Light
	Battery Fault	Green-Amber Flashing
	Not in charge	LED off
Environmental & Mechanical Characteristics	Temperature	Operating Temperature 0~40°C (32°F ~ 104°F)
		Storage Temperature -20°C ~ 60°C (-4°F ~ 140°F)
	Storage Humidity	10%~95%@35°C, noncondensing
	Architecture	ABS + Plastic
	Housing	White
	Dimensions (Net: mm)	188(L) x 158(W) x 83(H) mm
	Weights (Net: kg))	1.5 Kg (TBC)
Power Supply	AC Input	100-240V AC @50-60 Hz, 3.5-2.5A
	DC Output	19V / 10.52A, 200W max
Certification	FCC part 15, CE-EMC, RoHS2.0	
Safety	Supports protection from over-voltage (input and output), over-current (input and output), short circuit, overcharge, over-discharge, and battery over-temperature protection (OTP)	
	Charge Protection	OVP: Over-Voltage Protection
		OCP: Over-Current Protection
		OTP: Over-Temperature Protection
		UTP: Under-Temperature Protection
	Discharge Protection	UVP: Under-Voltage Protection
		OCP: Over-Current Protection
		OTP: Over-Temperature Protection
		UTP: Under-Temperature Protection

All product specifications are subject to change without notice

Medical Cart Accessory - Swappable Battery		
Product Name	DR-202W2	
Product Photo		
Main Body	Battery Type	3S3P Lithium-ion x 3
	Battery Voltage	DC: 10.8 V
	Battery Capacity	7500mAh
	Battery Energy	81Wh
	Charging Time	w/Charger Station, 1 Hr for 70%, 2 Hrs for 100% (w/JW202W2)
	Warranty	1 year
	Max. Continuously discharge	10A (max continuous power ≤ 100W at 50°C), 50% after 600 Cycle, Max. peak discharge: 16A/144W
Battery LED Indicator	One LED Flashing	0%~5% capacity
	One LED Lighting	5%~25% capacity
	Two LED Lighting	25%~50% capacity
	Three LED Lighting	50%~75% capacity
	Four LED Lighting	75%~100% capacity
LED Indicator in WMP G/H series	In Charge	Blinking Green
	Full Charge	Green
	Discharge	Blinking Blue
	Low Battery	Quick Blinking Blue
	Not in charge	Normal: blue; Dark: no battery (OSD check battery status)
Environmental & Mechanical Characteristics	Temperature	Operating Temperature charge: 0 ~ 50°C; discharge: -20 ~ 75°C
		Storage Temperature -30 ~ 60°C
	Storage Humidity	10%~95%@35°C, noncondensing
	Architecture	ABS + Plastic
	Housing	White
	Dimensions (Net: mm)	148.7mm x 89mm x 19.7mm per Battery
	Weights (Net: kg)	0.47kg per Battery
Certification	UL2504, CE, PSE, IEC-62133, UN38.3	

Medical AIO Touch Panel PC -Point of Care Fanless I

Medical AIO Touch Panel PC -Point of Care Fanless I				
Product Name	WMP-19J	WMP-15J	WMP-24C	WMP-22C
Product Photo				
Main System				
CPU	Intel® Whiskey Lake Lake Core i5/i7 (15W)		Intel® Skylake/ Kaby Lake Core i5/i7 (15W)	
Memory	up to 64G	up to 64G	up to 32G	up to 32G
Chipset	Soc	Soc	Intel® Q170	Soc
OS support	Win 10	Win 10	Win7 /Win8 / Win10	Win7 /Win8 / Win10
Display				
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	
Touch Panel & IO				
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	
Storage & Expansion				
Storage	M.2 NVMe SSD x1, 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 for WMP-24C, PCI-E*4 for WMP-22C, Mini PCIe x 1 M.2 Type E key x 1 for WiFi + Bluetooth Module	
Mechanical & Environmental				
Weight (kg)	7.5	5.0	9.7	7.0
Operating Temp.	0~40°C		0~35°C	
Cooling	Fanless			
IP rating	IP65 at front side/ IPx1 for whole system			
Power				
Power Input	DC 14~24 V		DC 9~32V	
Power Adapter/ Battery	AC 100~240V, Optional UPS Battery			
Certification				
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			
Options & Customization				
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	
	* 5V1A Power Jack (for standard type) * Light Sensor for Auto Brightness or 5M AF Webcam * DICOM Part 14 Module * FHD Panel (Not Covered by Cert. Report, 15" Only) * Extra 2 x USB, 2 X COM		* Up to 6 x USB, 6 X COM * UHD(4K2K) Diagnostic Panel * HDMI Video-In * DVD Drive * IP54 Rear	* 3.2M Webcam (USB) * PCI-E [x4] Riser Card * mSATA Module * Microphone on I/O Cover
Customization	1. Temper Glass 2. Power Out_COM Port support 5V1A 3. Touch panel with anti-glare coating 4. COM ports support 5V1A output 5. Up to 6 x COM (Remove USB X 2 in New Rear Housing)		1. PCI riser card (BIOS change under Win 10), 2. Tempered Glass 3. UHD(4K2K) Diagnostic Panel	
3. DICOM Part 14 Module				

All product specifications are subject to change without notice

Medical AIO Touch Panel PC -Point of Care Fanless II

Medical AIO Touch Panel PC -Point of Care Fanless II				
Product Name	WMP-19C	WMP-15C	WMP-155	WMP-105
Product Photo				
Main System				
CPU	Intel® Skylake/ Kaby Lake Core i5/i7 (15W)		Intel® Apollo Lake J3455	Intel® Pentium N4200 (N3350 for option)
Memory	up to 32G		up to 8G	up to 8G
Chipset	Soc			
OS support	Win7 /Win8 / Win10		Win 10	Win 10
Display				
Size	19"	15.6"		10.1"
Resolution	1280 x 1024 (SXGA)	1366 x 768		1280 x 800
Color Numbers	16.7M			
View Angle (H/V)	170/160			170/170
Contrast	1000:1	500:1		800:1
Brightness (nits)	350	400		350
Touch Panel & IO				
Type	Full Flat P.cap Touch			
USB	USB 3.0 x 4	USB 3.0 x 4	"USB 3.0 x 2 USB 2.0 x 2"	USB 3.0 x 2
COM	RS232 x 1 RS232/RS422/RS485 X 1			RS232/RS422/RS485 X 1
LAN	RJ45 x 2			
Video Port	DP x 2			HDMI 1.4 x 1 / VGA D-sub x 1
Storage & Expansion				
Storage	2.5" SATA HDD x 1, mSATA via mini PCI-E x 1, Optional 2nd 2.5" SATA HDD		64G SSD	M.2 M-key 2242 SATA SSD
Expansion Slot	PCI-E*4 X 1 Mini PCIe x 1 M.2 Type E key x 1 for WiFi + Bluetooth Module			Mini PCIe x 1 for WiFi + Bluetooth Module
Mechanical & Environmental				
Weight (kg)	7.5	5.0	5.2	1.25
Operating Temp.	0~35°C		0~40°C	0~50°C
Cooling	Fanless			
IP rating	IP65 at front side/ IPx1 for whole system			IP65 at front side
Power				
Power Input	DC 9~32V		DC 12V	DC 9~36V
Power Adapter/ Battery	AC 100~240V, Optional UPS Battery			AC 100~240V
Certification				
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			CE: EN 60601-1-2:2015(V4.0), VCCI: 2016-11, Class B (PSU with PSE) FCC: Part 18 Class B
Options & Customization				
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	1. WLAN + Bluetooth Module 2. TPM 2.0
	* 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	1. Webcam 2. RFID 3. COM x 2 4. Panel Mount Kit 5. White Rear Cover 6. PoE Module 7. In Wall Mount Bracket 8. 3G/4G Module

All product specifications are subject to change without notice

Medical AIO Touch Panel PC -Point of Care Smart Fan III

Medical AIO Touch Panel PC -Point of Care Smart Fan III				
Product Name	WMP-24F	WMP-22F	WMP-19F	WMP-17F
Product Photo				
Main System				
CPU	Intel® Skylake/ Kaby Lake Core i5/i7 (35W)			
Memory	up to 32G			
Chipset	Intel® Q170			
OS support	Win7 /Win8 / Win10			
Display				
Size	23.8"	21.5"	19"	17"
Resolution	1920 x 1080 (Full HD)		1280 x 1024 (SXGA)	
Color Numbers	16.7M	16.7M	16.7M	16.2M
View Angle (H/V)	178/178	170/160		
Contrast	3000:1	1000:1	1000:1	1000:1
Brightness (nits)	250	250	350	350
Touch Panel & IO				
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 2	
Video Port	DP x 2		DP x 1, DVI x 1	
Storage & Expansion				
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 for WiFi + Bluetooth Module	PCI-E*16 x 1 Mini PCIe x 2 for WiFi + Bluetooth Module		
Mechanical & Environmental				
Weight (kg)	9.7	6.5	7.5	7.0
Operating Temp.	0~35°C	0~40°C	0~40°C	0~40°C
Cooling	Fan			
IP rating	IP65 at front side/ IPx1 for whole system			
Power				
Power Input	DC 9~32V	DC 7~32V	DC 7~32V	DC 7~32V
Power Adapter/ Battery	AC 100~240V, Optional UPS Battery			
Certification				
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	
Options & Customization				
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 13. PCI-E [x16] Riser Card	
	* Up to 6 x USB, 6 X COM * UHD(4K2K) Diagnostic Panel * HDMI Video-In * DICOM Part 14 Module * 5M AF Webcam * DVD Drive * IP54 Rear	* 3.2M Webcam (USB) * PCI-E [x16] Riser Card, * mSATA Module * DICOM Part 14 Module * Microphone on I/O Cover		* 3.2M Webcam (USB) * PCI-E [x16] Riser Card, * mSATA Module * Microphone on I/O Cover
Customization	1. Temper Glass 2. PCI Riser Card (BIOS at Win 10)	1. Temper Glass; 2. Extra 2 x USB or 2 x COM	1. Temper Glass; 2. Extra 2 x USB or 2 x COM	

All product specifications are subject to change without notice

Medical Box PC & Medical Monitor

	Medical Box PC		Medical Monitor		
Product Name	WPC-766	WPC-766E	WMD-243	WMD-223	WMD-153
					
Main System					
CPU	Intel® Skylake Core i5/i7				
Memory	up to 32G				
Chipset	Intel® Q170				
OS support	Win7 /Win8 / Win10				
Display					
Size			23.8"	21.5"	15.6"
Resolution			1920 x 1080 (Full HD)	1920 x 1080 (Full HD)	1366 x 768
Color Numbers			16.7M	16.7M	16.7M
View Angle (H/V)			178/178	178/178	170/160
Contrast			3000:1	3000:1	500:1
Brightness (nits)			250	250	400
Touch Panel & IO					
Type	-	-	Full Flat P.cap Touch	Full Flat P.cap Touch	Full Flat P.cap Touch
USB	USB 3.0 x 4		USB 2.0 input x 1	USB 2.0 input x 1	USB 2.0 input x 1
COM	RS232 x 5, RS232/422/485 x 1		-	-	-
LAN	RJ45 x 2				
Video Port	DP x 1 DVI-D x 1		DP x 1 DVI-D x 1 HDMI x 1	DP x 1 DVI-D x 1 HDMI x 1	DP x 1 DVI-D x 1 HDMI x 1
Storage & Expansion					
Storage	2.5"SATA SSD x 1, Optional mSATA Co-share space with mini-PCIe				
Expansion Slot	Mini PCIe x 2 for WiFi + Bluetooth Module	PCI-E*16 x 1 Mini PCIe x 2 for WiFi + Bluetooth Module			
Mechanical & Environmental					
Weight (kg)	3.0	4.0	8.65	6.4	4.6
Operating Temp.	0~35°C		0~45°C	0~40°C	0~40°C
Cooling	Fanless				
IP rating	-	-	IP65 at front side/ IPx1 for whole system		
Power					
Power Input	DC 9~28V	DC 9~28V	DC 12V	DC 12V	DC 12V
Power Adapter/ Battery	AC 100~240V	AC 100~240V / UPS Battery	AC 100~264V	AC 100~264V	AC 100~264V
Certification					
Certification	CE: EN 60601-1-2:2015(V4.0) MDD: EN 60601-1:2006/A1:2013(V3.1) VCCI: 2016-11, Class B (PSU) 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),EN 60601-1:2006/A1:2013(V3.1) VCCI: 2016-11, Class B (PSU with PSE) FCC: Part 18 Class B ISO 14971		
Options & Customization					
Major Options	1. Power Adaptor w/ 2m DC Extension Cable 2. TPM 2.0 Module 3. Equipotential Terminal Pin 4. mSATA Module				
		* 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"			
Customization	1. Black Heatsink/ Housing 2. Up to USB x 10	1. Black Heatsink/ Housing 2. Up to USB x 10 3. DVD player	1. DICOM Part 14 Module		

All product specifications are subject to change without notice



Explosion Proof Series

• ATEX, C1D2, IECEx Explosion Proof Panel PC

Introduction

Wincomm Explosion Proof Panel PC series are built to suit for hazardous environments, undergoing rigorous testing to ensure safety and top performance to meet ATEX Zone 2 / IECEx / C1D2 certificate. Featuring at unique hot swappable intrinsic of M12 COM / USB 2.0 connectors at hazard area, it could be easier to install connected devices.

It works well in oil & gas industry, chemical manufacturing, power generation, distilleries and other hazardous industrial applications.

Key Features

- Intel® Core™ Processor
- Explosion Proof C1D2/ATEX Zone II & IECEx Certifications
- Totally Sealed IP66 / NEMA 4X Stainless Steel Enclosure
- Fanless Design for Wide Temp. -20~60°C Environments
- Hot Swappable M12 USB/COM Connector at Hazard Area
- Water Proof Connector Panel for Easy USB, LAN, COM and Add on Card Interface Cable Installation
- EMC Class B Applicable for Laboratory & Office



CSA C1D2, ATEX Zone II, IECEx, CE/VCCI/FCC Class B, IEC-62368 Certified



100% Waterproof/Dustproof w/IP66, NEMA4X Stainless Steel Sealed Enclosure



Resistive Touch for Easy Hygienic Clean



Easy Installation Max. I.O. x 6



Full Range of LCD Size from 15", 19" to 21.5"



Intel® Core i7/i5/i3 processor 15W max.



Fanless Design Withstand for Wide Temp -20~60°C Environments



Hot Swappable Intrinsic of M12 COM/USB 2.0 Connector at Hazard Area



Connected Panel for Easy USB/LAN/Add-on Card Cable Installation



Downward IO for Easy Installation and Space Saving

ATEX, C1D2, IECEx Explosion Proof Panel PC Series

ATEX, C1D2, IECEx Explosion Proof Panel PC Series								
Product Name	WTPE-9E66-15W		WTPE-9E66-19W		WTPE-9E66-22W			
Produc Photo								
Main System								
CPU/ Graphics	Intel® 6th gen. Core i7/i5/i3 processor 15W max./ Intel® integrated HD Graphics 520 by CPU							
Memory	up to 32GB							
OS support	Win 10 32/64							
Display & Touch Panel								
Size	15"		19"		21.5"			
Resolution	1024 x 768(XGA)		1280 x 1024 (SXGA)		1920 x 1080 (FHD)			
Color Numbers	16.7M		16.7M		16.7M			
View Angle (H/V)	160/160		170/160		178/178			
Contrast	600:1		1000:1		5000:1			
Brightness (nits)	450		350		300			
Touch Panel	Full Flat Resistive Touch							
IO								
I/O Ports	Configuration		A		B		C	
	Swappable M12, 8pin (I.S. Output, Support EX ic, Extension Cable to Ex ic Devices)		COM X 2 for RS232		USB2.0 X 1 COM X 1 for RS232		USB2.0 X 2	
	Cable Gland M16 (Max. Output x 4, Must be Installed by User)		USB 2.0 X 2 (EX ec), LAN X 2 (EX ec, i219LM for Vpro), COM X 1 for RS232/422/485 (EX ec), Optional Mini-PCIe Module for Cable Connection X 1 (EX ec)					
Storage & Expansion								
Storage	128G SSD							
Expansion slot	Mini PCIe x 1 M.2 Type E x 1		Mini PCIe x 1 M.2 Type E x 1			Mini PCIe x 1 M.2 Type E x 1		
Mechanical & Environmental								
Weight (kg)	11		12.4			13		
Operating Temp.	-20~60°C					-10~55°C		
IP rating	IP66 / NEMA4X							
Cooling	Fanless							
Power								
Power Input	1 x gland DC power							
Power Adapter	100W AC-DC power adapter with 24V DC output, 1.2M cable, PSE							
Power Consumption	46.7W		53.5W			54.2W		
Certification								
Certification	EMC: FCC, CE (EMC), VCCI Class B Safety: IEC-62368, CCC IECEx, Class 1 Division 2 Group A, B, C, D T5, ATEX Zone2 EX II 3G Ex ic ec IIC T4 Gc IP66							
Options & Customization								
Major Options	1. Wifi, IEEE802.11ac/b/g/n, Bluetooth Class1.0, 2.0 (included in explosion proof certification, not co-existed with other mini-PCIe module) 2. EtherNet/ IP (Industrial Protocol) Interface (temperature code condition is T4, not co-existed with other mini-PCIe module) 3. PROFIBUS DP (process field bus decentralized peripherals)-slave Network Interface (temperature code condition is T4, not co-existed with other mini-PCIe module)			4. DeviceNet-slave Interface (temperature code condition is T4, not co-existed with other mini-PCIe module) 5. CC-Link (control & communication link)-slave interface (temperature code condition is T4, not co-existed with other mini-PCIe module) 6. Panel mounting by bezel kit (not co-exist with wireless function)				
Accessory	1. 50 meter DC cable to support 50 meter power length 2.100 meter DC cable to support 100 meter power length 3. COM extension cable kit through M16 cable gland (2 meter length, external 9pin male type) (cable kit must be installed by user) 4. USB2.0 extension cable through M16 cable gland (2 meter length, external female type A) (cable kit must be installed by user) 5. LAN extension cable through M16 cable gland (2 meter length, external female RJ45 type) (cable kit must be installed by user)			6. Swappable M12 COM extension cable (2 meter length, M12 to PPC, external 9pin male type) 7. Swappable M12 USB2.0 port extension cable (0.3 meter length, M12 to PPC, external female type A connectors) (for configuration B, C only) 8. Swappable M12 DC power extension cable (1.2 meter length, M12, stripped and tinned wires on opposite end to DC 24V output power supply) 9. Wall mount/ Table mount bracket				
Customization	1. Kit to support over 100 meter power supply length, 2. Power on/off switch							

All product specifications are subject to change without notice



Full IP Panel PC

- Core™ IP66/69K Stainless Steel Touch Panel PC
- Celeron® IP66/69K Stainless Steel Touch Panel PC
- Full IP Wide Temp Stainless Steel Touch Panel PC
- Full IP Wide Temp High Brightness Touch Panel PC
- Full IP Stainless Steel Monitor

Introduction

Wincomm Full IP stainless steel panel PC series are built to suit for challenging environments, undergoing rigorous testing to ensure safety and top performance.

All of the models in the stainless steel series are sealed to meet IP69K, offering the best solution for environments with hygienic considerations. Featuring a fanless design and 100% waterproof/dustproof capacity, it provides a wide range of panel size w/ various processors for more options and the customization service to meet versatile rugged environment requirement.

It works well in food, beverage, pharmaceutical industry, including chemical manufacturing and other industrial applications.

Key Features

- Intel® Core™, Celeron, Atom® various processor
- IP66/69K Full Sealed Anti-Corrosion Stainless Steel Enclosure & Fanless Design
- Easy Installation Downward I.O. w/ Optional Waterproof IP67 M12 Stainless Connectors
- Optional Cable Gland for Max. External I.O. Combination
- CE, FCC, VCCI Class B Certified
- Resistive Touch Lock Function for Easy Clean
- Wide Temp. Series Support -20°C~60°C Operation Temp. w/ Optional Sunlight Readable Solution



CE, VCCI, FCC Class B Certification



100% Waterproof/Dustproof IP66/IP69K, NEMA4X



Resistive Touch On/Off for Easy Hygienic Clean



Easy Installation I.O. w/ Optional Waterproof Connector



Full Range of LCD Size from 10", 15", 19", 22" to 23.8"



Intel® Core™, Celeron, Atom® various processor



Fanless Design Withstand for Wide Temp -20~60°C Environments



Sunlight Readable Solution (Wide Temp. Series Optional)



Smart Ventilation Avoid Water Condensation



Downward IO for Easy Installation and Space Saving

Core™ IP66/69K Stainless Steel Touch Panel PC I

Core™ IP66/69K Stainless Steel Touch Panel PC I				
Product Name	WTP-9G66-XX			
	24	22	19	15
Produc Photo				
Main System				
CPU	Intel® 8th Gen (Whiskey lake-U) Core™ MCP Processor, 15 W			
Memory	up to 32G			
OS support	Win10			
Display				
Size	23.8"	21.5"	19"	15"
Resolution	1920 x 1080 (FHD)	1920 x 1080 (FHD)	1280 x 1024 (SXGA)	1024 x 768 (XGA)
Color Numbers	16.7M			16.2M
View Angle (H/V)	178/178	170/160	170/160	160/160
Contrast	3000:1	1000:1	1000:1	800:1
Brightness (nits)	250	250	350	450
Touch Panel	Full Flat P-cap Touch	Full Flat Resis.Touch (Full Flat P-cap Touch for option)		
IO Configuration				
USB	1 x M12 8pin for USB 1/2 1 x M12 8pin for USB 3/4			
COM	2 x M12 8pin for COM 1/COM2 / RS-232/422/485			
LAN	1 x M12 8pin			
Storage & Expansion				
Storage	2.5" SATA HDD drive bay x 1, Optional M.2 E key x 1, Default 500G HDD			
Expansion slot	M.2 Type E x 1			
Mechanical & Environmental				
Weight (kg)	TBD	TBD	TBD	TBD
Operating Temp.	0~40°C / 0~50°C (change HDD to SSD)			
IP rating	IP66 / NEMA4X / IP69K			
Cooling	Fanless			
Power				
Power Input	DC19~28V			
Power Adapter	AC100~277V	AC100~240V		
Power Consumption	92.4	92.1	90	83.9
Certification				
Certification	CE / FCC / VCCI Class B			
Options & Customization				
Major Options	1. Full flat PCT touch screen IP69K 2. IP67 3. 2.5" SSD 4. Wireless or Wireless and BT kit (easy clean and Robust Antenna) 5. External LAN x 2 (USBx2, LANx2, COMx1)		6. Stainless M12 connector 7. Cable gland external IO 8. SUS316 enclosure 9. DC power extension cable (2m) 10. 2nd HDD for RAID 0,1 (Customization for WTP-9G66-15)	
Accessory	1. Waterproof M12 to 1 x COM cable 2. Waterproof M12 to 1 x USB cable 3. Waterproof M12 to 1 x LAN cable		4. Maximum length is 7.2 meters by 3x2m DC cables 5. Wall mount / Table mount bracket	
Customization	1. Sunlight readable optical bonding 2. Roof for UV protection and sunlight readable 3. 1000 nit high brightness LCD 4. 5W/2W Speaker 5. Barcode reader		6. COM + Power 5V or 12V 7. M.2 SSD 8. TPM 2.0 9. M.2 (Key B, 3042) with USB2.0 and SIM for 4G x 1 10. Waterproof USB3.0	

All product specifications are subject to change without notice

Core™ IP66/69K Stainless Steel Touch Panel PC II

Core™ IP66/69K Stainless Steel Touch Panel PC II				
Product Name	WTP-9E66-XX			
	24	22	19	15
Produc Photo				
Main System				
CPU	Intel® 6th/7th Generation Core i7/i5 processor 15W max. / Soc			
Memory	up to 32G			
OS support	Win10			
Display				
Size	23.8"	21.5"	19"	15"
Resolution	1920 x 1080 (FHD)	1920 x 1080 (FHD)	1280 x 1024 (SXGA)	1024 x 768 (XGA)
Color Numbers	16.7M			
View Angle (H/V)	178/178	170/160	170/160	160/160
Contrast	3000:1	3000:1	1000:1	600:1
Brightness (nits)	250	250	350	450
Touch Panel	Full Flat P-cap Touch	Full Flat Resis.Touch (Full Flat P-cap Touch for option)		
IO Configuration				
USB	1 x M12 8pin for USB 1/2 1 x M12 8pin for USB 3/4			
COM	1 x M12 8pin for COM 1/RS-232/422/485 1 x M12 8pin for COM 2/RS-232			
LAN	1 x M12 8pin			
Storage & Expansion				
Storage	2.5" SATA drive bay x 1, Default 500G HDD			
Expansion slot	Mini PCIe x 1, M.2 Type E x 1			
Mechanical & Environmental				
Weight (kg)	14.8	12	11.5	8.4
Operating Temp.	0~40℃ / 0~50℃ (change HDD to SSD)			
IP rating	IP66 / NEMA4X / IP69K			
Cooling	Fanless			
Power				
Power Input	DC9~32V			
Power Adapter	AC100~277V	AC100~240V		
Power Consumption	62.4W	58.9W	69.2W	53.8W
Certification				
Certification	CE / FCC / VCCI Class B			
Options & Customization				
Major Options	1. Wireless LAN or Wireless and BT kit (Easy Clean and Robust Antenna or 2 ant) 2. SSD 3. External LAN x 2 4. Waterproof USB 3.0		5. Stainless M12 connector 6. TPM2.0 7. IP67 8. SUS316 Enclosure 9. Cable Gland for External I.O	
Accessory	1. Waterproof M12 to 1 x COM cable 2. Waterproof M12 to 1 x USB cable 3. Waterproof M12 to 1 x LAN cable		4. Maximum length is 7.2 meters by 3x2m DC cables 5. Wall mount / Table mount bracket	
Customization	1. Sunlight readable optical bonding 2. 1000 nit high brightness LCD 3. LCD Auto dimming 4. LCD Super dimming (Low brightness)		5. 5W/2WSpeaker 6. Second HD 7. COM+power 5V or 12V 8. Barcode reader	

All product specifications are subject to change without notice

Celeron® IP66/69K Stainless Steel Touch Panel PC I

Celeron® IP66/69K Stainless Steel Touch Panel PC I			
Product Name	WTP-8D66-XX		
	22	19	15
Produc Photo			
Main System			
CPU	Intel® Apollo Lake J3455		
Memory	up to 8GB		
OS support	Win10		
Display & Touch Panel			
Size	21.5"	19"	15"
Resolution	1920 x 1080 (FHD)	1280 x 1024 (SXGA)	1024 x 768 (XGA)
Color Numbers	16.7M	16.7M	16.2M
View Angle (H/V)	170/160	170/160	160/160
Contrast	1000:1	1000:1	800:1
Brightness (nits)	250	350	450
Touch Panel	Full Flat Resistive Touch (Full Flat P-cap Touch for option)		
IO Configuration			
USB	1 x M12 8pin for USB 1/2 1 x M12 8pin for USB 3/4		
COM	1 x M12 8pin for COM 1/RS-232/422/485 1 x M12 8pin for COM 2/RS-232		
LAN	1 x M12 8pin		
Storage & Expansion			
Storage	2.5″ SATA HDD drive bay x 1, M.2 SATA III SSD 2280 slot x 1, Default 500G HDD		
Expansion slot	Mini PCIe x 1 M.2 Type E x 1		
Mechanical & Environmental			
Weight (kg)	12	11	7.6
Operating Temp.	0~45℃	0~45℃	0~45℃
IP rating	IP66 / NEMA4X / IP69K whole set / IK05		
Cooling	Fanless		
Power			
Power Input	DC9~32V		
Power Adapter	AC90~264V		
Power Consumption	40.6W	42.7W	36.3W
Certification			
Certification	CE / FCC / VCCI Class B		
Options & Customization			
Major Options	1. Wireless LAN or Wireless and BT kit (Easy Clean Robust Antenna) 2. M.2 SSD 3. External LAN x 2 4. Waterproof USB 3.0 5. Stainless M12 connector 6. TPM2.0	7. IP67 8. Full Flat PCT Touch Screen IP69K 9. SUS316 Enclosure 10. 2.5"SSD 11. Cable Gland for External I.O	
Accessory	1. Waterproof M12 to 1 x COM cable 2. Waterproof M12 to 1 x USB cable 3. Waterproof M12 to 1 x LAN cable	4. Maximum length is 7.2 meters by 3x2m DC cables 5. Wall mount / Table mount bracket 6. DC-in Cable	
Customization	1. Sunlight readable optical bonding (Impact Protection Level : IK08) 2. 1000 nit high brightness LCD 3. LCD Auto dimming 4. 5W/2WSpeaker 5. PoE	6. Second HD 7. COM + power 5V or 12V 8. Barcode reader 9. Car ignition power control	

All product specifications are subject to change without notice

Celeron® IP66/69K Stainless Steel Touch Panel PC II

Celeron® IP66/69K Stainless Steel Touch Panel PC II					
Product Name	WTP-8B66-XX				
	24	22	19	15	10
Produc Photo					
Main System					
CPU	Intel® Baytrail J1900				
Memory	up to 8GB				
OS support	Win7 /Win8 / Win10				
Display & Touch Panel					
Size	23.8"	21.5"	19"	15"	10.4"
Resolution	1920 x 1080 (FHD)	1920 x 1080 (FHD)	1280 x 1024 (SXGA)	1024 x 768 (XGA)	800 x 600 (XGA)
Color Numbers	16.7M				262K
View Angle (H/V)	178/178	170/160	170/160	160/160	160/130
Contrast	3000:1	1000:1	1000:1	600:1	500:1
Brightness (nits)	250	250	350	450	230
Touch Panel	Full Flat P-cap Touch	Full Flat Resistive Touch (Full Flat P-cap Touch for option)			
IO Configuration					
USB	1 x M12 8pin for USB 1/2 1 x M12 8pin for USB 3/4				
COM	1 x M12 8pin for COM 1/RS-232/422/485 1 x M12 8pin for COM 2/RS-232				
LAN	1 x M12 8pin				
Storage & Expansion					
Storage	2.5" SATA drive bay x 1, Default 500G HDD				64G SSD
Expansion slot	Mini PCIe x 2 (half / full size)				
Mechanical & Environmental					
Weight (kg)	13.2	12	11	7.6	6.9
Operating Temp.	0~40°C				0~50°C
IP rating	IP66 / NEMA4X / IP69K whole set / IK05				IP66, NEMA4X
Cooling	Fanless				
Power					
Power Input	DC7~32V				DC9~36V
Power Adapter	AC90~264V	AC100~277V	AC90~264V		AC100~240V
Power Consumption	37.2W	40.2W	40.7W	37W	29.7W
Certification					
Certification	CE / FCC / VCCI Class B				
Options & Customization					
Major Options	1. IP67 2. SSD 3. TPM2.0 4. Wireless or Wireless and BT kit (easy clean and Robust Antenna)		5. 2 External LAN (USBx2, LANx2, COMx1) 6. Stainless M12 connector 7. Waterproof USB3.0 8. SUS316 enclosure 9. Cable Gland for External I.O		* Full flat PCT touch screen IP69K * HDD (operation emp.0~35°C)
Accessory	1. Waterproof M12 to 1 x COM cable 2. Waterproof M12 to 1 x USB cable 3. Waterproof M12 to 1 x LAN cable		4. Maximum length is 7.2 meters by 3x2m DC cables 5. Wall mount / Table mount bracket 6. DC-in Cable		
Customization	1. Sunlight readable optical bonding 2. 1000 nit high brightness LCD 3. LCD Auto dimming 4. LCD super dimming (Low brightness)		5. 5W/2WSpeaker 6. Second HD 7. COM+power 5V or 12V 8. Barcode reader		
					* XGA LCD panel * USB 3.0

All product specifications are subject to change without notice

Full IP Wide Temp Panel PC I

Full IP Wide Temp Panel PC I				
Product Name	WTP-9E66 XX			
	24W	22W	19W	15W
Produc Photo				
Main System				
CPU	Intel® Skylake/Kaby Lake Core i7/i5/i3 processor 15W max. / Soc			
Memory	up to 32G	up to 32G	up to 32G	up to 32G
OS support	Win7 /Win8 / Win10			
Display & Touch Panel				
Size	23.8"	21.5"	19"	15"
Resolution	1920 x 1080 (FHD)	1920 x 1080 (FHD)	1280 x 1024 (SXGA)	1024 x 768 (XGA)
Color Numbers	16.7M	16.7M	16.7M	16.7M
View Angle (H/V)	178/178	178/178	170/160	160/160
Contrast	3000:1	1000:1	1000:1	600:1
Brightness (nits)	250	350	350	450
Touch Panel	Full Flat Resistive Touch (Full Flat P-cap Touch for option)			
IO Configuration				
USB	1 x M12 8pin for USB 1/2, 1 x M12 8pin for USB 3/4			
COM	1 x M12 8pin for COM 1/RS-232/422/485, 1 x M12 8pin for COM 2/RS-232			
LAN	1 x M12 8pin			
Storage & Expansion				
Storage	Wide Temp. 128G SSD			
Expansion slot	Mini PCIe x 1, M.2 Type E x 1			
Mechanical & Environmental				
Weight (kg)	14.8	12	11.5	8.4
Operating Temp.	-20~60°C			
IP rating	IP66, NEMA4X , IP69K			
Cooling	Fanless			
Power				
Power Input	DC9~32V			
Power Adapter	AC100~277V	AC100~240V	AC100~240V	AC100~240V
Power Consumption	68.9W	65.4W	52.9W	60.3W
Certification				
Certification	CE / FCC / VCCI Class B			
Options & Customization				
Major Options	1. Full flat PCT touch screen IP69K 2. IP67 3. 2.5" SSD 4. Wireless or Wireless and BT kit (Easy Clean Robust Antenna) 5. External LAN x 2 (USBx2, LANx2, COMx1)		6. Stainless M12 connector 7. Cable gland external IO 8. SUS316 enclosure 9. Waterproof USB 3.0, 10. TPM2.0	
Accessory	1. Waterproof M12 to 1 x COM cable 2. Waterproof M12 to 1 x USB cable 3. Waterproof M12 to 1 x LAN cable		4. Maximum length is 7.2 meters by 3x2m DC cables 5. Wall mount / Table mount bracket	
Customization	1. Sunlight readable optical bonding, 2. 1000 nit high brightness LCD , 3. LCD Auto dimming, 4. LCD Super dimming (Low brightness) , 5. 5W/2WSpeaker		6. Second HD, 7. Intel Core i7-6500U , 8. COM + power 5V or 12V, 9. Barcode reader	
				* Intel Core i7-6500U * Full Flat PCT Touch Screen IP69K

All product specifications are subject to change without notice

Full IP Wide Temp Panel PC II

Full IP Wide Temp Panel PC II				
Product Name	WTP-8B66 XX			
	150	19W	15W	10W
Produc Photo				
Main System				
CPU	Intel® Atom E3845 2.0 GHz quad-core processor 10W / SoC			
Memory	up to 8G	up to 8G	up to 8G	up to 8G
OS support	Win7 /Win8 / Win10			
Display & Touch Panel				
Size	15"	19"	15"	10.4"
Resolution	1024 x768 (XGA)	1280 x 1024 (SXGA)	1024 x 768 (XGA)	800 x 600 (SVGA)
Color Numbers	16.2M	16.7M	16.7M	262K
View Angle (H/V)	160/140	170/160	160/160	160/130
Contrast	700:1	1000:1	600:1	500:1
Brightness (nits)	1000	350	400	230
Touch Panel	Full Flat P-cap Touch	Full Flat Resistive Touch (Full Flat P-cap Touch for option)		
IO Configuration				
USB	1 x M12 8pin for USB 1/2, 1 x M12 8pin for USB 3/4			
COM	1 x M12 8pin for COM 1/RS-232/422/485, 1 x M12 8pin for COM 2/RS-232			
LAN	1 x M12 8pin			
Storage & Expansion				
Storage	Wide Temp. 128G SSD			
Expansion slot	Mini PCIe x 2 (half / full size)			
Mechanical & Environmental				
Weight (kg)	10.2	11	7.6	6.5
Operating Temp.	-20~60°C	-20~50°C		
IP rating	IP69K whole set	IP66, NEMA4X , IP69K		
Cooling	Fanless			
Power				
Power Input	DC7~32V			DC9~36V
Power Adapter	AC100~277V	AC90~264V	AC90~264V	AC100~240V
Power Consumption	40.9W	38.2W	36.1W	30.4W
Certification				
Certification	CE / FCC / VCCI Class B			
Options & Customization				
Major Options	1. Full flat PCT touch screen IP69K 2. IP67 3. 2.5" SSD 4. Wireless or Wireless and BT kit (easy clean and Robust Antenna)		5. External LAN x 2 (USBx2,LANx2,COMx1) 6. Stainless M12 connector 7. Cable gland external IO 8. SUS316 enclosure	
Accessory	1. Waterproof M12 to 1 x COM cable 2. Waterproof M12 to 1 x USB cable 3. Waterproof M12 to 1 x LAN cable		4. Maximum length is 7.2 meters by 3x2m DC cables 5. Wall mount / Table mount bracket 6. DC-In Cable	
Customization	1. Sunlight readable optical bonding 2. Roof for UV protection and sunlight readable 3. 1000 nit high brightness LCD 4. 5W/2W Speaker 5. Barcode reader		6. COM + Power 5V or 12V 7. M.2 SSD 8. TPM 2.0 9. Second HD 10. Waterproof USB3.0	

All product specifications are subject to change without notice

Full IP Industrial Monitor Series

Full IP Industrial Monitor Series			
Product Name	WTD-15	WTD-19	WTD-22
Produc Photo			
Display			
Size	15"	19"	21.5"
Resolution	1024 x 768 (XGA)	1280 x 1024 (SXGA)	1920 x 1080 (FHD)
Color Numbers	16.2M	16.7M	16.7M
View Angle (H/V)	160/160	170/160	170/160
Contrast	600:1	1000:1	1000:1
Brightness (nits)	450	350	250
Touch Panel	Full Flat Resistive Touch (Full Flat P-cap Touch for option)		
IO Configuration			
USB	1 x M12 8pin for touch screen		
Audio / Video	VGA input x 1 / HDMI 1.4a (input) x 1		
Mechanical & Environmental			
Weight (kg)	7.5	10	11
Operating Temp.	-10~55°C	-10~55°C	0~50°C
IP rating	IP66 (NEMA4X) / IP69K (NEMA6)		
Cooling	Fanless		
Power			
Power Input	DC12V		
Power Adapter	AC90~264V		
Certification			
Certification	FCC/CE/VCCI Class B (VGA port) ; FCC/CE/VCCI Class A (HDMI port)		
Options & Customization			
Major Options	1. SUS316 enclosure, 2. IP67, 3. Full flat PCT touch screen, 4. DP to HDMI converter (for connecting WPC-766)		
Customization	1. Sunlight readable optical bonding, 2. 1000 nits high brightness LCD, 3. HDMI connection between WTP panel PC as 2nd display		

All product specifications are subject to change without notice



Industrial Panel PC

- Modular Panel Mount Touch Panel PC
- Panel Mount Touch Panel PC
- Chassis Touch Panel PC
- Wide Temp High Brightness Touch Panel PC

Introduction

Wincomm industrial-grade panel PC series are built to suit for versatile environments, undergoing rigorous testing to ensure safety and top performance.

All of the WLP series are sealed to at least IP66 front design and offering the best solution for environments with industrial automation application. Featuring at full flat resistive touch, panel mount design, Wincomm industrial panel PCs go beyond that of the standard industrial PCs with elegant, rugged construction, powerful performance, and flexible options. Making it ideal for machine controller, command centers, enabling rapid communication, and fast, efficient computing.

Key Features

- Intel® Core™, Celeron®, Atom® various processor
- Ranging from 10", 12", 15", 15.6", 17", 19", 21.5", 23.8" LCD Panel
- Panel Mount w/ Full Flat Res. or P-Cap. Touch or Chassis Type w/ P-Cap. Touch Flexible Housing to Fulfill Various Applications, Optional Open Frame or Chassis Type
- Full Flat Design IP66 Front w/Touch on/ off for Easy Clean
- Wide Range DC Input for Wide Range Usage
- Optional WLAN with External Antenna
- Optional 2nd HDD/ SSD to Support RAID 0/1
- Wide Temp. High Brightness Series Support -20°C~60°C Wide Operation Range, High Brightness Panel w/Optional Sunlight Readable Solution



CE, VCCI, FCC Class B Certification



Front IP66 Waterproof/Dustproof



Resistive Touch and Front IP66 for Easy Hygienic Clean



Housing Support: Panel Mount, Chassis Type, Open Frame for Easy Installation



Full Range of LCD Size from 10", 12", 15", 15.6", 17", 19", 22" to 23.8"



Intel® Core™, Celeron®, Atom® various processor



Fanless Design Withstand for Wide Temp -20~60°C Environments (Wide Temp. High Brightness Series)



Sunlight Readable Solution (Wide Temp. High Brightness Series Optional)



Smart Ventilation Avoid Water Condensation



Downward and Side I.O. for Various Installation Requirement

Modular Panel Mount Touch Panel PC I - Core Series

Modular Panel Mount Touch Panel PC I - Core Series					
Product Name	WLPM- 900				
	924	922	919	917	915
Produc Photo					
Main System					
CPU	Intel® Coffee Lake- S Core i				
Memory	up to 32GB				
Chipset	SoC				
OS support	Win10				
Display & Touch Panel					
Size	23.8"	21.5"	19"	17"	15"
Resolution	1920 x 1080 (FHD)		1280 x 1024 (SXGA)		1024 x 768 (XGA)
Color Numbers	16.7M		16.2M		
View Angle (H/V)	178/178	170/160	170/160	170/160	160/160
Contrast	3000:1	1000:1	1000:1	1000:1	800:1
Brightness (nits)	250	250	350	350	450
Touch Panel	Full Flat Resis. Touch / Optional P-Cap Touch				
IO Configuration					
USB	4 x USB 3.1				
COM	2 x RS232, 1 x RS232/RS422/RS485				
LAN	2 x RJ-45				
Video Port	Line-out, and Mic-in / 3 x DP1.2				
Storage & Expansion					
Storage	1 x 2.5" SATA SSD 1 x M.2 M.Key 2280 PCIe4 for NVMe SSD				
Expansion slot	1 x M.2 Key E 2230 w/ PCIe1, USB2.0 and CNVI for Wireless 1 x mini-PCIe for Full/Half w/ PCIe1 and USB2.0 1 x PCIe16 (25W max.)				
Mechanical & Environmental					
Dimension mm (L x W x D)	653.7x412x121.4	584.3x364.6x121.4	495.5x384.7x131.4	426.2x358.6x125	398x330x123.9
Operating Temp.	0~50°C				
IP rating	IP66 at front, IK05				
Cooling	Fanless				
Power					
Power Input	DC19V~28V				
Power Adapter	150W (PSU with PSE)				
Certification					
Certification	CE / FCC / VCCI Class B				
Options & Customization					
Major Options	1. Stainless Front Bezel 2. Silver Front Bezel 3. TPM 2.0 Module 4. Chassis Type Housing 5. Openframe Housing		6. Cable Tie Bracket 7. USB 2.0 x 2 (By Cable) 8. PCIe Riser Card (x16) 9. RS232 x 3 (By Cable) 10. Wireless and BT kit (2nt)		
	* M.2 NVMe SSD * mPCIe AI Core X, Core XP4, Core XP8 * 2nd HDD for RAID 0,1				

All product specifications are subject to change without notice

Modular Panel Mount Touch Panel PC II - AMD Series

Modular Panel Mount Touch Panel PC II - AMD Series			
Product Name	WLPM-V00		
	V24	V22	V15
Produc Photo			
Main System			
CPU	AMD Ryzen™ Embedded V1000		
Memory	up to 32GB		
Chipset	SoC		
OS support	Win 10		
Display & Touch Panel			
Size	23.8"	21.5"	15"
Resolution	1920 x 1080 (FHD)		1024 x 768 (XGA)
Color Numbers	16.7M		16.2M
View Angle (H/V)	178/178	170/160	160/160
Contrast	3000:1	1000:1	800:1
Brightness (nits)	250	250	450
Touch Panel	Full Flat Resis. Touch / Optional P-Cap Touch		
IO Configuration			
USB	2 x USB 3.2 Gen II, 2 x USB 2.0		
COM	2 x RS232/RS422/RS485		
LAN	2 x RJ-45		
Video Port	Line-out, and Mic-in / 3 x DP1.2a		
Storage & Expansion			
Storage	1 x 2.5" SATA SSD 1 x M.2 M.Key 2242/2260/2280 PCIe2 and SATA for SSD		
Expansion slot	1 x M.2 Key E 2230 w/ PCIe1, share USB2.0 for Wireless 1 x mini-PCIe for Full/Half w/ PCIe1 1 x PCIe8 (25W max.)		
Mechanical & Environmental			
Dimension mm (L x W x D)	653.7x412x121.4	584.3x364.6x121.4	398x330x123.9
Operating Temp.	0~50°C		
IP rating	IP66 at front, IK05		
Cooling	Fanless		
Power			
Power Input	DC19V~28V		
Power Adapter	150W (PSU with PSE)		
Certification			
Certification	CE / FCC / VCCI Class B		
Options & Customization			
Major Options	1. Stainless Front Bezel 2. Silver Front Bezel 3. TPM 2.0 Module 4. Chassis Type Housing 5. Openframe Housing 6. Cable Tie Bracket 7. USB 2.0 x 2 (By Cable) 8. PCIe Riser Card (x8) 9. RS232 x 3 (By Cable) 10. Wireless and BT kit (2nt)		
Customization	1. 2.5" HDD 2. 2nd 2.5" SSD / HDD for RAID 0.1		

All product specifications are subject to change without notice

Panel Mount P-Cap Touch Panel PC I - Core Series

Panel Mount P-Cap Touch Panel PC I - Core Series		
Product Name	WLP-7G20-XX	
	22	15
Produc Photo		
Main System		
CPU	Intel® Whiskey Lake-U Corei	
Memory	up to 32GB	
OS support	Win 10	
Storage & Expansion		
Storage	2.5" SATA HDD drive bay x 1	
Expansion slot	M.2 (Key E, 2230) for Wireless x 1, M.2 (Key B, 3042) with USB2.0 and SIM for 4G x 1	
Display & Touch Panel		
Size	21.5" 16:9	15" 4:3
Resolution	1920 x 1080 (FHD)	1024 x 768 (XGA)
Color Numbers	16.7M	16.2M
View Angle (H/V)	170/160	160/160
Contrast	1000:1	800:1
Brightness (nits)	250	450
Touch Panel	Projected Capacitive Touch (BKPT)	
IO Configuration		
USB	USB3.1 x 4	
COM	RS-232 x 1, RS-232/422/485 x 2	
LAN	RJ-45 x 2	
Video Port	Line-out, Mic-in) HDMI 2.0a (output) x 1, DP x 1	
Mechanical & Environmental		
Weight (kg)	9.6	6.4
Operating Temp.	0~50°C	
IP rating	IP66 at front, IK05	
Cooling	Fanless	
Power		
Power Input	DC19 ~ 28V	DC19 ~ 28V
Power Adapter	AC 100~240V	AC 100~240V
Power Consumption	90.9W	94.1W
Certification		
Certification	CE / FCC / VCCI Class B	
Options & Customization		
Major Options	1. Stainless Front Bezel 2. Silver Front Bezel 3. TPM 2.0 Module 4. 2.5" HDD 5. Maximum length is 7.2 meters by 3x2m DC cables 6. Second HDD for RAID 0,1 7. Wireless and BT kit (2nt)	
Customization	1. Storage door Solution 2. Chassis type housing 3. Open frame housing 4. Sunlight readable + optical bonding (Impact protection level: IK08) 5. M.2 NVMe SSD 6. 4G wireless for WI P-7G Series	

All product specifications are subject to change without notice

Panel Mount P-Cap Touch Panel PC II - Core Series

Panel Mount P-Cap Touch Panel PC II - Core Series					
Product Name	WLP-7F20-XX				
	22	19	17	16	15
Produc Photo					
Main System					
CPU	Intel® Skylake Core i (Intel® Kaby Lake Core i for option)				
Memory	up to 32GB				
OS support	Win7 pro/ Win8 / Win8.1 Industrial/ Win10				
Storage & Expansion					
Storage	2.5” SATA HDD up to 500GB w/Anti-Vibration Kit				
Expansion slot	Mini PCIe x 1 M.2 Type E for Wireless x1				
Display & Touch Panel					
Size	21.5" 16:9	19" 5:4	17" 5:4	16" 16:9	15" 4:3
Resolution	1920 x 1080 (Full HD)	1280 x 1024 (SXGA)		1033 x 768 (XGA)	1024 x 768 (XGA)
Color Numbers	16.7M	16.7M	16.2M	16.2M	16.2M
View Angle (H/V)	1000:01:00				160/160
Contrast				500:1	600:1
Brightness (nits)	250	350	350	400	450
Touch Panel	Projected Capacitive Touch (BKPT)				
IO Configuration					
USB	USB 3.0 x 4				
COM	RS232 x2, RS232/422/485 x1				
LAN	RJ-45 x 2				
Video Port	Line-out, Mic-in, DP x 2				
Mechanical & Environmental					
Weight (kg)	10	9.2	8.5	8.5	6
Operating Temp.	0~50°C (w/ air flow) 0~40°C (no air flow)				
IP rating	Front IP66				
Cooling	Fanless				
Power					
Power Input	DC 9~32 V	DC 9~32 V	DC 9~32 V	DC 9~32 V	DC 9~32 V
Power Adapter	AC 100~240V	AC 100~240V	AC 100~240V	AC 100~240V	AC 100~240V
Power Consumption	64.7W	65.8	61.4W	57.8W	44.7W
Certification					
Certification	CE / FCC / VCCI Class B				
Options & Customization					
Major Options	1. DC input power plug (black, 1.22m length) 2. 2.5" SSD 3. Stainless steel front bezel 4. Change full flat resistive touch to P-cap touch (BKPT) 5. Silver front bezel 6. Storage door Solution 7. mSATA module		8. TPM 2.0 9. Chassis type housing 10. Second HDD 11. Maximum length is 5.2 meters by 2x2m DC cables 12. Wireless and BT kit (2nt)		
Customization	1. Open frame housing 2. Sunlight readable optical bonding 3. LCD auto dimming 4. LCD super dimming (Low brightness)				

All product specifications are subject to change without notice

Panel Mount P-Cap Touch Panel PC III - Entry

Panel Mount P-Cap Touch Panel PC III - Entry					
Product Name	WLP-7E20-XX		WLP-7B20-XX		
	15	10	15	12	10
Produc Photo					
Main System					
CPU	Intel® Apollo Lake J3455		Intel® Celeron J1900		
Memory	up to 8GB		up to 8GB		
OS support	Win 10		Win7 pro/ Win8 / Win8.1 Industrial/ Win10		
Storage & Expansion					
Storage	2.5" SATA HDD up to 500GB , Optional M.2 (KEY M 2242/2260) SSD X 1		2.5" SATA HDD up to 500GB w/Anti-Vibration Kit		
Expansion slot	M.2 (KEY E, 2230) PCIe for Wireless x 1 (Shared USB 2.0 x 1), Mini PCIe x 1(Shared USB 2.0 x 1)		Mini PCIe x 2 for Wireless		
Display & Touch Panel					
Size	15" 4:3	10" 4:3	15" 4:3	12" 4:3	10" 4:3
Resolution	1024 x 768 (XGA)	800 x 600 (SVGA)	1024 x 768 (XGA)	800 x 600 (SVGA)	
Color Numbers	16.2M	16.2M	16.7M	16.2M	262K
View Angle (H/V)	160/160	160/130	160/160	160/140	130/110
Contrast	800:1	500:1	600:1	700:1	400:1
Brightness (nits)	450	230	400	450	230
Touch Panel	Projected Capacitive Touch (BKPT)				
IO Configuration					
USB	USB 3.0 x 4		USB 3.0 x 1 USB 2.0 x 3		
COM	RS-232 x 2, RS-232/422/485 x 1				
LAN	RJ-45 x 2				
Video Port	Line-out, Mic-in HDMI 1.4b (output)X 1, VGA X 1		Line-out, Mic-in, DVI-I x 1		
Mechanical & Environmental					
Weight (kg)	6.4	3	5.5	4.5	3.5
Operating Temp.	0~50°C	0~45°C	0~50°C (w/ air flow) 0~40°C (no air flow)		
IP rating	IP66 at front, IK05		Front IP66		
Cooling	Fanless				
Power					
Power Input	DC19 ~ 24V	DC19 ~ 24V	DC 7~32 V	DC 7~32 V	DC 7~32 V
Power Adapter	AC 100~240V	AC 100~240V	AC 90~264V	AC 90~264V	AC 90~264V
Power Consumption	52.8W	38.7W	29.93W	30.7W	28W
Certification					
Certification	CE / FCC / VCCI Class B				
Options & Customization					
Major Options	1. DC input power plug (black, 1.22m length) 2. Stainless front bezel, 3. Silver front bezel, 4. USB 2.0 x 2, 5. 2.5" SSD 6. TPM 2.0 7. Maximum length is 7.2 meters by 3x2m DC cables 8. Wireless and BT kit (2nt)		1. DC input power plug (black, 1.22m length) 2. Maximum length is 5.2 meters by 2x2m DC cables 3. Stainless front bezel 4. Sliver fornt bezel 5. Chassis type housing 6. 2.5" SSD 7. mSATA module 8. Wireless and BT kit (2nt)		
Customization	1. Storage door Solution 2. Chassis type housing 3. Open frame housing 4. Sunlight readable optical bonding (Impact protection level: IK08) 5. M.2 SSD 6. 2nd HDD for RAID 0,1		1. Open frame housing 2. Sunlight readable optical bonding 3. LCD auto dimming 4. LCD super dimming (Low brightness) 5. Storage door Solution 6. TPM 2.0 Module		

All product specifications are subject to change without notice

Panel Mount Full Flat Resis. Touch Panel PC I - Core Series

Panel Mount Full Flat Resis. Touch Panel PC I - Core Series			
Product Name	WLP-7G20-XX		WLP-7F21-XX
	22	15	17
Produc Photo			
Main System			
CPU	Intel® Whiskey Lake-U Corei		Intel® Kaby Lake Core i
Memory	up to 32GB		up to 32GB
OS support	Win 10		Win7 pro/ Win8 / Win8.1 Industrial/ Win10
Storage & Expansion			
Storage	2.5" SATA HDD drive bay x 1 Optional M.2 (KEY M 2242/2260/2280) SSD X 1		2.5" SATA HDD up to 500GB w/Anti-Vibration Kit x 2
Expansion slot	M.2 (Key E, 2230) for Wireless x 1, M.2 (Key B, 3042) with USB2.0 and SIM for 4G x 1		Mini PCIe x 1 M.2 Type E for Wireless x1
Display & Touch Panel			
Size	21.5" 16:9	15" 4:3	17" 5:4
Resolution	1920 x 1080 (FHD)	1024 x 768 (XGA)	1280 x 1024 (SXGA)
Color Numbers	16.7M	16.2M	16.2M
View Angle (H/V)	170/160	160/160	170/160
Contrast	1000:1	800:1	1000:1
Brightness (nits)	250	450	350
Touch Panel	Full Flat Resistive Touch (BKFT)		
IO Configuration			
USB	USB3.1 x 4		USB 3.0 x 4 USB 2.0 x 2
COM	RS-232 x 1, RS-232/422/485 x 2		RS232 x 1, RS232/RS422/RS485 x 1
LAN	RJ-45 x 2		RJ-45 x 1
Video Port	Line-out, Mic-in HDMI 2.0a (output) x 1, DP x 1		Line-out, Mic-in DP x 1, DVI x 1
Mechanical & Environmental			
Weight (kg)	9.6	6.4	8.6
Operating Temp.	0~50°C		0~35°C
IP rating	IP66 at front, IK05		Front IP66
Cooling	Fanless		
Power			
Power Input	DC19 ~ 28V	DC19 ~ 28V	DC 12V
Power Adapter	AC 100~240V	AC 100~240V	AC 100~240V
Power Consumption	90.9W	94.1W	TBD
Certification			
Certification	CE / FCC / VCCI Class B		
Options & Customization			
Major Options	1. Stainless Front Bezel 2. Silver Front Bezel or Anodized aluminum front bezel 3. TPM 2.0 Module 4. 2.5" HDD/SSD 5. Maximum length is 7.2 meters by 3x2m DC cables 6. Second HDD for RAID 0,1 7. Wireless and BT kit (2nt)		* P-cap touch * Swappable HDD x 2 * Storage door Solution * mSATA module * Chassis type housing
Customization	1. Storage door Solution 2. Chassis type housing 3. Open frame housing 4. Sunlight readable by 1000 nit LCD + optical bonding (Impact protection level: IK08) 5. M.2 NVMe SSD 6. 4G wireless for WLP-7G Series		1. Open frame housing, 2. Sunlight readable optical bonding, 3. LCD auto dimming, 4. LCD super dimming (Low brightness)

All product specifications are subject to change without notice

Panel Mount Full Flat Resis. Touch Panel PC II - Core Series

Panel Mount Full Flat Resis. Touch Panel PC II - Core Series					
Product Name	WLP-7F20-XX				
	22	19	17	16	15
Produc Photo					
Main System					
CPU	Intel® Skylake Core i (Intel® Kaby Lake Core i for option)				
Memory	up to 32GB				
OS support	Win7 pro/ Win8 / Win8.1 Industrial/ Win10				
Storage & Expansion					
Storage	2.5” SATA HDD up to 500GB w/Anti-Vibration Kit				
Expansion slot	Mini PCIe x 1 M.2 Type E for Wireless x1				
Display & Touch Panel					
Size	21.5" 16:9	19" 5:4	17" 5:4	16" 16:9	15" 4:3
Resolution	1920 x 1080 (Full HD)	1280 x 1024 (SXGA)		1033 x 768 (XGA)	1024 x 768 (XGA)
Color Numbers	16.7M	16.7M	16.2M	16.2M	16.2M
View Angle (H/V)	170/160				160/160
Contrast	1000 : 1			500:1	600:1
Brightness (nits)	250	350	350	400	450
Touch Panel	Full Flat Resistive Touch (BKFT)				
IO Configuration					
USB	USB 3.0 x 4				
COM	RS232 x2, RS232/422/485 x1				
LAN	RJ-45 x 2				
Video Port	Line-out, Mic-in, DP x 2				
Mechanical & Environmental					
Weight (kg)	10	9.2	8.5	8.5	6
Operating Temp.	0~50°C (w/ air flow) 0~40°C (no air flow)				
IP rating	Front IP66				
Cooling	Fanless				
Power					
Power Input	DC 9~32 V	DC 9~32 V	DC 9~32 V	DC 9~32 V	DC 9~32 V
Power Adapter	AC 100~240V	AC 100~240V	AC 100~240V	AC 100~240V	AC 100~240V
Power Consumption	64.7W	65.8	61.4W	57.8W	44.7W
Certification					
Certification	CE / FCC / VCCI Class B				
Options & Customization					
Major Options	1. DC input power plug (black, 1.22m length) 2. 2.5” SSD 3. Stainless steel front bezel 4. Change full flat resistive touch to P-cap touch (BKPT) 5. Silver front bezel 6. Storage door Solution		7. mSATA module 8. TPM 2.0 9. Chassis type housing 10. Second HDD 11. Maximum length is 5.2 meters by 2x2m DC cables 12. Wireless and BT kit (2nt)		
Customization	1. Open frame housing 2. Sunlight readable optical bonding 3. LCD auto dimming 4. LCD super dimming (Low brightness)				

All product specifications are subject to change without notice

Panel Mount Full Flat Resis. Touch Panel PC III - Entry

Panel Mount Full Flat Resis. Touch Panel PC III - Entry					
Product Name	WLP-7E-20-XX		WLP-7B20-XX		
	15	10	15	12	10
Produc Photo					
Main System					
CPU	Intel® Apollo Lake J3455		Intel® Celeron J1900		
Memory	up to 8GB		up to 8GB		
OS support	Win 10		Win7 pro/ Win8 / Win8.1 Industrial/ Win10		
Storage & Expansion					
Storage	2.5" SATA HDD up to 500GB , Optional M.2 (KEY M 2242/2260) SSD X 1		2.5" SATA HDD up to 500GB w/Anti-Vibration Kit		
Expansion slot	M.2 (KEY E, 2230) PCIe for Wireless x 1 (Shared USB 2.0 x 1), Mini PCIe x 1(Shared USB 2.0 x 1)		Mini PCIe x 2 for Wireless		
Display & Touch Panel					
Size	15" 4:3	10" 4:3	15" 4:3	12" 4:3	10" 4:3
Resolution	1024 x 768 (XGA)	800 x 600 (SVGA)	1024 x 768 (XGA)	800 x 600 (SVGA)	
Color Numbers	16.2M	16.2M	16.2M	16.2M	262K
View Angle (H/V)	160/160	160/130	160/160	160/140	130/110
Contrast	800:1	500:1	600:1	700:1	400:1
Brightness (nits)	450	230	450	450	230
Touch Panel	Full Flat Resistive Touch (BKFT)				
IO Configuration					
USB	USB 3.0 x 4		USB 3.0 x 1 USB 2.0 x 3		
COM	RS-232 x 2, RS-232/422/485 x 1		RS232 x2, RS232/422/485 x1		
LAN			RJ-45 x 2		
Video Port	Line-out, Mic-in HDMI 1.4b (output)X 1, VGA X 1		Line-out, Mic-in, DVI-I x 1		
Mechanical & Environmental					
Weight (kg)	6.4	3	5.5	4.5	3.5
Operating Temp.	0~50°C	0~45°C	0~50°C (w/ air flow) 0~40°C (no air flow)		
IP rating	IP66 at front, IK05		Front IP66		
Cooling	Fanless				
Power					
Power Input	DC19 ~ 24V	DC19 ~ 24V	DC 7~32 V	DC 7~32 V	DC 7~32 V
Power Adapter	AC 100~240V	AC 100~240V	AC 90~264V	AC 90~264V	AC 90~264V
Power Consumption	52.8W	38.7W	29.93W	30.7W	28W
Certification					
Certification	CE/FCC/VCCI Class B				
Options & Customization					
Major Options	1. DC input power plug (black, 1.22m length) 2. Stainless front bezel, 3. Silver front bezel, 4. USB 2.0 x 2, 5. 2.5" SSD 6. TPM 2.0 7. Maximum length is 7.2 meters by 3x2m DC cables 8. Wireless and BT kit (2nt)		1. DC input power plug (black, 1.22m length) 2. Maximum length is 5.2 meters by 2x2m DC cables 3. Stainless front bezel 4. Sliver fornt bezel 5. Chassis type housing 6. 2.5" SSD 7. mSATA module 8. Wireless and BT kit (2nt)		
Customization	1. Storage door Solution 2. Chassis type housing 3. Open frame housing 4. Sunlight readable optical bonding (Impact protection level: IK08) 5. M.2 SSD 6. 2nd HDD for RAID 0,1		1. Open frame housing 2. Sunlight readable optical bonding 3. LCD auto dimming 4. LCD super dimming (Low brightness) 5. Storage door Solution 6. TPM 2.0 Module		

All product specifications are subject to change without notice

Chassis P-cap Touch Panel PC

Chassis P-cap Touch Panel PC		
Product Name	WLP-7B21-10	WMP-105
Product Photo		
Main System		
CPU	Intel® Celeron N2930	Intel® Pentium N4200 (N3350 for option)
Memory	up to 8GB	up to 8GB
Chipset	Soc	Soc
OS support	Win7 pro/ Win8 / Win8.1 Industrial/ Win10	Win10
Display & Touch Panel		
Size	10" 4:3	
Resolution	1280 x 800	
Color Numbers	16.7M	
View Angle (H/V)	170/170	
Contrast	800:1	
Brightness (nits)	350	
Touch panel	Full flat projective capacitive touch panel	
IO Configuration		
USB	USB3.0 x 2	
COM	RS232/422/485 x1	
LAN	RJ-45 x 2	
Video Port	HDMI 1.4a (output) x 1, VGA D-sub x 1	HDMI 1.4 x 1 / VGA D-sub x 1
Storage & Expansion		
Storage	mSATA SSD	M.2 M-key 2242 SATA SSD
Expansion slot	Mini-PCIe x 1	Mini-PCIe x 1
Mechanical & Environmental		
Weight (kg)	1.25KG	
Operating Temp.	0~50°C (w/ air flow)	
IP rating	Front IP65	
Cooling	Fanless	
Power		
Power Input	DC 9~36 V	
Power Adapter	AC 100~240V	
Power Consumption	TBD	
Certification		
Certification	CE/FCC/VCCI Class B	
Options & Customization		
Major Options	1. DC input power plug (black, 1.22m length) 2. PoE Module (not coexist with wireless, COM Port and TPM, remove AC-DC Power Adapter and DC Input Connector) 3. TPM v2.0 by Module (not Coexist with PoE) 4. Wall Mount Bracket	1. WLAN + Bluetooth Module 2. TPM 2.0
Customization	1. Webcam 2. RFID 3. COMx2 4. Panel Mount Kit 5. White Rear Cover 6. Car Ignition Control	1. Webcam 2. RFID 3. COM x 2 4. Panel Mount Kit 5. White Rear Cover 6. PoE Module 7. In Wall Mount Bracket 8. 3G/4G Module

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Wide Temp High Brightness Touch Panel PC

Wide Temp High Brightness Touch Panel PC					
Product Name	WLP-7F20 XX			WLP-7B20 XX	
	22H	19H	15H	10H	15H
Product Photo					
Main System					
CPU	Intel® Skylake (Intel® Kaby Lake for option) Core i			Intel® Atom E3845	
Memory	up to 32GB			up to 8GB	
Chipset	Soc			Soc	
OS support	Win7 pro/ Win8 / Win8.1 Industrial/ Win10				
Display & Touch Panel					
Size	21.5" 16:9	19" 4:3	15" 4:3	10" 4:3	15" 4:3
Resolution	1920 x 1080 (Full HD)	1280 x 1024 (SXGA)	1024 x 768 (XGA)	800 x 600 (SVGA)	1024 x 768 (XGA)
Color Numbers	16.7M	16.7M	16.7M	262K	262K
View Angle (H/V)	178/178	170/160	160/160	130/120	80/70
Contrast	1000:1	1000:1	700:1	400:1	700:1
Brightness (nits)	1000	1000	1000	1000	1000
Touch Panel	Full Flat Resistive Touch (Default) Projected Capacitive Touch (Option)				
IO Configuration					
USB	USB 3.0 x 4			USB 3.0 x 1, USB 2.0 x 3	
COM	RS232 x2, RS232/422/485 x1				
LAN	RJ-45 x 2				
Video Port	Line-out, Mic-in, DP x 2			Line-out, Mic-in, DVI-I x 1	Line-out, Mic-in
Storage & Expansion					
Storage	2.5" SATA HDD (Default 500G)			WT 128GB 2.5" SATA SSD	
Expansion slot	Mini PCIe x 1, M.2 Type E x1			Mini PCIe x 2	Mini PCIe x 2
Mechanical & Environmental					
Weight (kg)	10	9.2	6	3.9	6.5
Operating Temp.	-20~60°C				
IP rating	Front IP66				
Cooling	Fanless				
Power					
Power Input	DC 9 ~ 32 V			DC 7~32 V	
Power Adapter	AC 100~240V			AC 90~264V	
Power Consumption	65W	62.5W	61.6W	28.3W	36.3W
Certification					
Certification	CE/FCC/VCCI Class B				
Options & Customization					
Major Options	1. DC input power plug (black, 1.22m length) 2. Stainless steel front bezel 3. Change full flat resistive touch to P-cap touch (BKPT) 4. Silver front bezel 5. Storage door Solution 6. mSATA module 7. TPM 2.0 8. Chassis type housing 9. Second HDD 10. Maximum length is 5.2 meters by 2x2m DC cables 11. Wireless and BT kit (2nt)			1. DC input power plug (black, 1.22m length) 2. mSATA module 3. Stainless front bezel 4. Silver front bezel 5. 2.5" SSD 6. TPM 2.0 7. Maximum length is 5.2 meters by 2x2m DC cables 8. Wireless and BT kit (2nt)	
Customization	1. Open frame housing 2. Sunlight readable optical bonding 3. LCD auto dimming 4. LCD super dimming (Low brightness)			1. Open frame housing 2. Sunlight readable optical bonding 3. LCD auto dimming 4. LCD super dimming (Low brightness) 5. Storage door Solution 6. Chassis type housing	

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