



IoT Solutions
Alliance

The Global Leading Panel PC Provider

WWW.WINCOMM.COM.TW

Industrial Product Selection Guide

Empower Application Ready Solutions
with Wincomm e-Platform Service

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- Full IP Series
- Industrial Series

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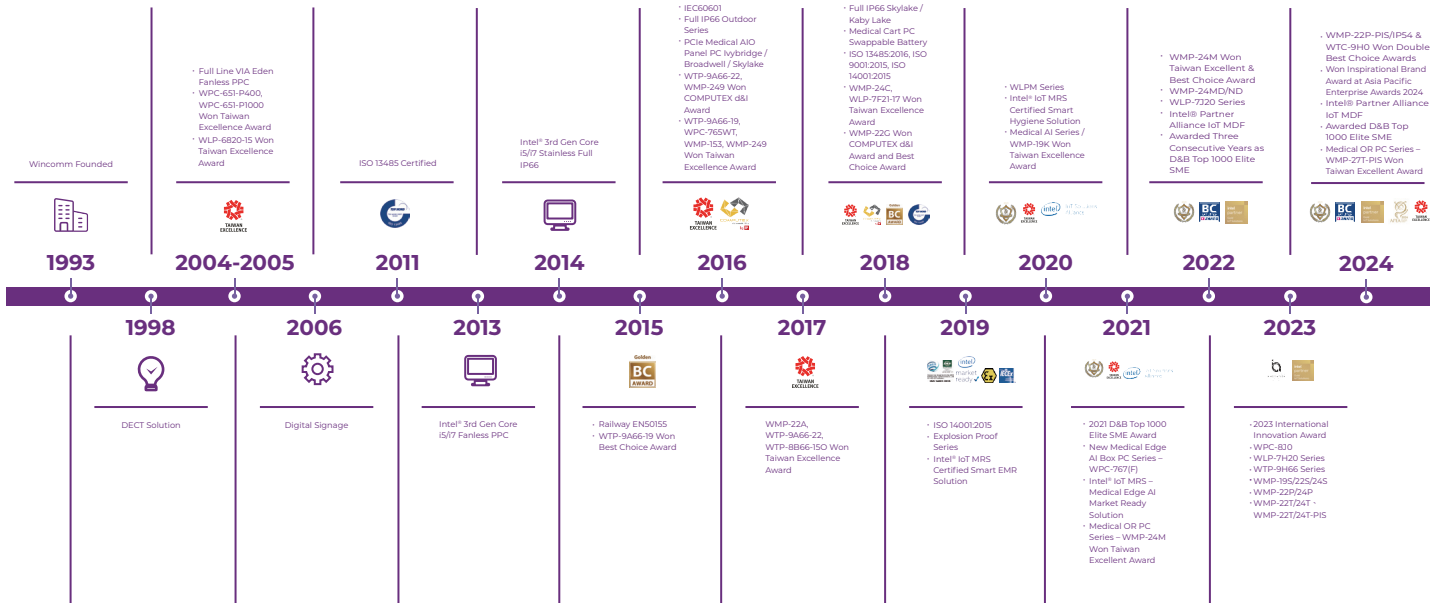
- Modular Panel Mount Touch Panel PC I - Core Series 16
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About Wincomm

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



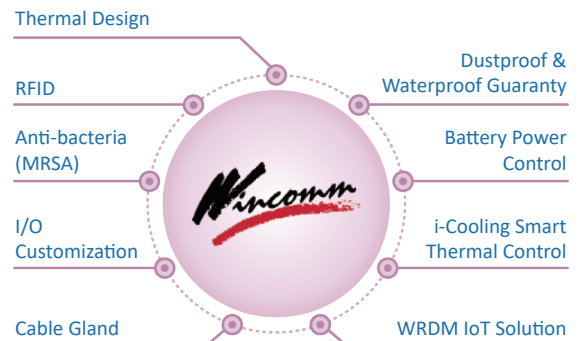
Innovative Technology Service

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

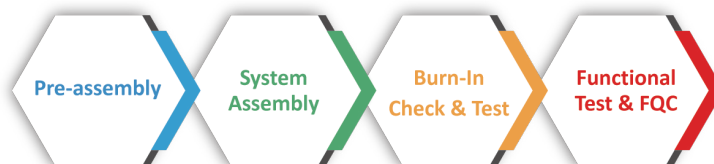


Manufacturing Process & Customization Service

Flexible Capacity and Manufacturing Management to fulfill diversity 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



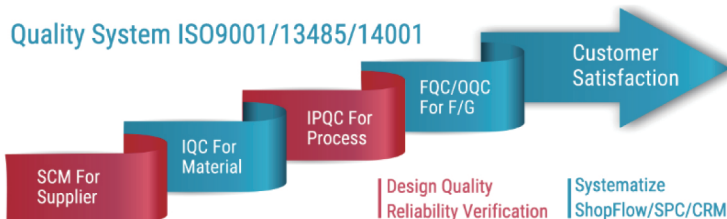
Customization Service

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
 - 2022 [Best Choice Award] WMP-24M-PIS
 - 2024 [Best Choice Award] WMP-22P-PIS
 - 2024 [Taiwan Excellence] WMP-27T-PIS



- **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-8B66-15O
 - 2024 [Best Choice Award] WTC-9HO

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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



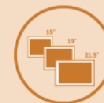
100% Waterproof/Dustproof w/IP66, NEMA4X Stainless Steel Sealed Enclosure



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, C2D2, IECEx Explosion Proof Panel PC Series

ATEX, C1D2, C2D2, IECEx Explosion Proof Panel PC Series				
Product Name	WTPE-9E66-15W	WTPE-9E66-19W	WTPE-9E66-22W	
Product Photo				
Main System				
CPU/ Graphics	Intel® 6th Gen. Core i5 Processor/ SoC			
Memory	up to 32GB			
OS support	Win10 Embedded 64-bit / Windows 10 Professional 64-bit			
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			
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	D
	Swappable M12, 8pin (I.S. Output, Support EX ic, Extension Cable to Ex ic Devices) Cable Gland M16 (Max. Output x 4, Must be Installed by User)	2 x COM for RS232	1 x USB2.0 1 x COM for RS232	2 x USB2.0
2 x USB 2.0 (EX ec), 2 x LAN (EX ec, i219LM for Vpro), 1x COM for RS232/422/485 (EX ec), Optional 1 x Mini-PCIe Module for Cable Connection (EX ec)				
Storage & Expansion				
Storage	128G SSD			
Expansion slot	1 x Mini PCIe 1 x M.2 Type E			
Mechanical & Environmental				
Weight (kg)	11	12.4	13	
Operating Temp.	-20~60°C			
IP rating	IP66 / NEMA4X			
Cooling	Fanless			
Power				
Power Input	DC 24V Input, M16 (EX ec, Must Be Installed by User)			
Power Adapter	100W with 24V DC output, with 1.2M cable, PSE			
Power Consumption	46.7W	53.5W	54.2W	
Certification				
Certification	EMC: FCC, CE (EMC), VCCI Class B Safety: IEC-62368 IECEx, Class 2 Division 2 Group F, G, Class 1 Division 2 Group A, B, C, D T4, ATEX Zone2 EX II 3G Ex ic IIC T4 Gc IP66			
Options & Customization				
Options	<ol style="list-style-type: none"> 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. COM extension cable kit through M16 cable gland (2 meter length, external 9pin male type) (cable kit must be installed by user) 3. USB2.0 extension cable through M16 cable gland (2 meter length, external female type A) (cable kit must be installed by user) 4. LAN extension cable through M16 cable gland (2 meter length, external female RJ45 type) (cable kit must be installed by user) 5. Swappable M12 COM extension cable (2 meter length, M12 to PPC, external 9pin male type) 6. Swappable M12 USB2.0 port extension cable (0.3 meter length, M12 to PPC, external female type A connectors) (for configuration B, C only) 7. Swappable M12 DC power extension cable (1.2 meter length, M12, stripped and tinned wires on opposite end to DC 24V output power supply) 8. Wall mount/ Table mount bracket 			
Customization	<ol style="list-style-type: none"> 1. Kit to support over 100 meter power supply length, 2. Power on/off switch 3. EtherNet/ IP (Industrial Protocol) Interface (temperature code condition is T4, not co-existed with other mini-PCIe module) 4. PROFIBUS DP (process field bus decentralized peripherals)-slave Network Interface (temperature code condition is T4, not co-existed with other mini-PCIe module) 5. DeviceNet-slave Interface (temperature code condition is T4, not co-existed with other mini-PCIe module) 6. CC-Link (control & communication link)-slave interface (temperature code condition is T4, not co-existed with other mini-PCIe module) 7. Panel mounting by bezel kit (not co-exist with wireless function) 8. 50 meter DC cable to support 50 meter power length 9. 100 meter DC cable to support 100 meter power length 			

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 requirements.

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



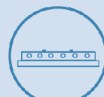
Fanless Design Withstand for Wide Temp -20~60°C Environments



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-9H66-XX			
	24	22	19	15
Product Photo				
Main System				
CPU	Intel® Alder Lake-P / SoC			
Memory	DDR4 up to 64G			
OS support	Optional Windows 10 (64 bit) / Windows 11 (64 bit)			
Display				
Size	23.8"	21.5"	19"	15"
Resolution	1920 x 1080 (FHD)		1280 x 1024 (SXGA)	1024 x 768 (XGA)
Color Numbers	16.7M			
View Angle (H/V)	178/178		170/160	160/150
Contrast	3000:1		1000:1	800:1
Brightness (nits)	250		350	350
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 1 x USB 3.2 Gen2			
COM	2 x M12 8pin for COM 1 & COM2 / RS-232/422/485			
LAN	1 x M12 8pin (2.5 Gigabit)			
Storage & Expansion				
Storage	1 x 2.5" SATA HDD drive bay (with anti-vibration mechanism) 1 x M.2 (Key M, 2242/2260/2280) with PCIe4 (Gen4) for SSD			
Expansion slot	1 x M.2 (Key B, 3042/3052) with PCIe1, USB3.2, USB2.0 and SIM for 4G/5G 1x SIM socket connected to M.2 key B 1 x M.2 (Key E, 2230) with PCIe, USB2.0 and CNVi for Wireless			
Mechanical & Environmental				
Weight (kg)	14.8	12	11.5	8.4
Operating Temp.	0~40°C (HDD) 0~50°C (SSD)			
IP rating	IP66 / NEMA4X / IP69K			
Cooling	Fanless			
Power				
Power Input	DC 12 ~ 28 V			
Power Adapter	AC 100 ~ 277 V			
Power Consumption	TBD	TBD	TBD	TBD
Certification				
Certification	CE (EMC) / FCC-B / VCCI Class B, Canada ICES-003			
Options & Customization				
Major Options	1. Full flat PCT touch screen IP69K 2. IP67(STD M12 type) 3. 2.5" SSD 4. M.2 SSD 5. Wireless or Wireless and BT kit (easy clean and Robust Antenna) 6. 2 External LAN (USBx2, LANx2, COMx1) 7. Cable Gland External IO 8. SUS316 Enclosure 9. M12 (female) to M12 (male) DC power extension cable (2 meters length)		10. M12 (female) to stripped and tinned wires DC extension cable (1.2 meters length) 11. Barcode Reader (can't coexist with RFID) 12. RFID (can't coexist with Barcode reader) 13. Supports floor stand solution 14. 3W speaker(IP66/69K) 15. Waterproof type C cable, cable length is 1 meter 16. Wall mount / table mount bracket 17. USB Type C (Front down side, support display output & power output 5V/3A)	
Accessory	1. Waterproof USB cable, cable length is 2 meters 2. Waterproof LAN cable, cable length is 2 meters		3. Waterproof COM cable, cable length is 2 meters 4. DC input cable	
Customization	1. Sunlight readable optical bonding 2. Roof for UV protection and sunlight readable 3. 1000 nit high brightness LCD 4. COM + Power 5V or 12V		5. Intel i3-1215UE, DC, 3.3GHz 6. Intel i7-1265UE, DC, 3.5GHz 7. WDT AP/API 8. Stainless M12 connector	




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-9G66-XX			
	24	22	19	15
Product Photo				
Main System				
CPU	Intel® Whiskey lake-U / SoC			
Memory	DDR4 up to 32G			
OS support	Win 10 / Win 11			
Display				
Size	23.8"	21.5"	19"	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		160/160
Contrast	3000:1	1000:1		800:1
Brightness (nits)	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 2.0 1/2 1 x M12 8pin for USB 2.0 3/4			
COM	2 x M12 8pin for COM 1/COM2 / RS-232/422/485			
LAN	1 x M12 8pin			
Storage & Expansion				
Storage	1 x 2.5" SATA HDD or SSD 1 x M.2 (Key M, 2242/2260/2280) for SSD			
Expansion slot	1 x M.2 (Key E, 2230) for Wireless			
Mechanical & Environmental				
Weight (kg)	14.8	12	11.5	8.4
Operating Temp.	0~40°C (HDD) 0~50°C (SSD)			
IP rating	IP66 / NEMA4X / IP69K			
Cooling	Fanless			
Power				
Power Input	DC 19 ~ 28 V			
Power Adapter	AC 100 ~ 277 V			
Power Consumption	92.4	92.1	90	83.9
Certification				
Certification	CE (EMC) / FCC-B / VCCI Class B, Canada ICES-003			
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

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

Atom® IP66/69K Stainless Steel Touch Panel PC I			
Product Name	WTP-8J66-XX		
	22	19	15
Product Photo			
Main System			
CPU	Intel® Elkhart Lake / SoC		
Memory	DDR4 up to 32GB		
OS support	Win 10 / Win 11		
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		
View Angle (H/V)	170/160		
Contrast	1000:1		
Brightness (nits)	250	350	
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	2 x M12 8pin/ RS232		
LAN	1 x M12 8pin for LAN (2.5 Gigabit)		
Storage & Expansion			
Storage	1 x 2.5" SATA HDD drive bay 1 x M.2 (M Key 2242/2260/2280) SATA3 & PCIe for SSD		
Expansion slot	1 x PCIe1 Gen3 1 x M.2 (E key 2230) w/PCIe x1 and shared USB2.0 for wireless 1 x M.2 (B key,3042/3052) with PCIe x1/USB 3.2/USB2.0 and SIM for 4G/5G 1 x SIM socket connected to M.2 key B		
Mechanical & Environmental			
Weight (kg)	12	11.5	8.4
Operating Temp.	0~40°C (HDD) 0~50°C (SSD)		
IP rating	IP66 / NEMA4X / IP69K whole set / IK05		
Cooling	Fanless		
Power			
Power Input	DC 12 ~ 28 V		
Power Adapter	AC 100 ~ 277 V		
Power Consumption	TBD		
Certification			
Certification	CE (EMC) / FCC-B / VCCI Class B, Canada ICES-003		
Options & Customization			
Major Options	1. Wireless LAN or Wireless and BT kit (Easy Clean Robust Antenna) 2. Cable Gland for External I.O 3. External 2 x LAN (Occupy 1 x COM) 4. Full Flat PCT Touch Screen IP69K 5. Stainless M12 connector 6. SUS316 Enclosure	7. IP67 8. M12 (female) to M12 (male) DC power extension cable (2 meters length) 9. M12 (female) to stripped and tinned wires DC extension cable (1.2 meter length)	
Accessory	1. Waterproof USB cable, cable length is 2 meters 2. Waterproof LAN cable, cable length is 2 meters 3. Waterproof COM cable, cable length is 2 meters	4. DC input cable 5. Wall Mount & Table Mount Bracket	
Customization	1. Sunlight readable optical bonding (Impact Protection Level :IK08) 2. 1000 nit high brightness LCD 3. Roof for UV protection and sunlight readable, 4. 5W/2W Speaker 5. Barcode reader 6. Floor stand accessory (cable gland type)	7. COM + power 5V or 12V 8. TPM 2.0 9. 5G module 10. DC-In connector x 1 (phoenix type 4pin), 11. M.2 SSD	






All product specifications are subject to change without notice

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

Atom® IP66/69K Stainless Steel Touch Panel PC II			
Product Name	WTP-8D66-XX		
	22	19	15
Product Photo			
Main System			
CPU	Intel® Apollo Lake/ SoC		
Memory	DDR3 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		16.2M
View Angle (H/V)	170/160		160/160
Contrast	1000:1		800:1
Brightness (nits)	250	350	
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		
Expansion slot	1 X Mini PCIe 1 X M.2 Type E		
Mechanical & Environmental			
Weight (kg)	12	11	7.6
Operating Temp.	0~45°C	0~45°C	0~45°C
IP rating	IP66 / NEMA4X / IP69K whole set / IK05		
Cooling	Fanless		
Power			
Power Input	DC 9 ~ 32 V		
Power Adapter	AC 90 ~ 264 V		
Power Consumption	40.6W	42.7W	36.3W
Certification			
Certification	CE (EMC) / FCC-B / VCCI Class B, Canada ICES-003		
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

Atom® IP66/69K Stainless Steel Touch Panel PC III

Atom® IP66/69K Stainless Steel Touch Panel PC III					
Product Name	WTP-8B66-XX				
Product Photo					
Main System					
CPU	Intel® Baytrail / SoC				
Memory	DDR3 up to 8GB				
OS support	Win7 / Win8 / Win10				
Display & Touch Panel					
Size	23.8"	21.5"	19"	15"	10"
Resolution	1920 x 1080 (FHD) 1920 x 1080 (FHD)		1280 x 1024 (SXGA)	1024 x 768 (XGA)	800 x 600 (SVGA)
Color Numbers	16.7M				262K
View Angle (H/V)	178/178	170/160		160/160	160/130
Contrast	3000:1	1000:1		800:1	500:1
Brightness (nits)	250		350		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	1 x 2.5" SATA drive bay				WT 128GB 2.5" SATA 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	DC 7 ~ 32 V				
Power Adapter	AC 90 ~ 264 V	AC 100 ~ 277 V	AC 90 ~ 264 V		AC 100 ~ 240 V
Power Consumption	37.2W	40.2W	40.7W	30.1W	29.7W
Certification					
Certification	FCC-B, CE (EMC), VCCI Class B, Canada ICES-003				
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-9H66 XX			
	*24W	22W	*19W	* 15W
Product Photo				
Main System				
CPU	Intel® Alder Lake-P / SoC			
Memory	up to 64G			
OS support	Win10 / Win11			
Display & Touch Panel				
Size	23.8"	21.5"	19"	15"
Resolution	1920 x 1080 (FHD)		1280 x 1024 (SXGA)	1024 x 768 (XGA)
Color Numbers	16.7M			
View Angle (H/V)	178/178		170/160	160/160
Contrast	3000:1	1000:1		600:1
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, M.2 M Key for SSD			
Expansion slot	1 x M.2 Key B, 1 x SIM socket , 1 x M.2 Key E			
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	DC 12 ~ 28 V			
Power Adapter	AC 100 ~ 277 V			
Power Consumption	TBDW			
Certification				
Certification	CE / FCC / VCCI Class B			
Options & Customization				
Major Options	<ol style="list-style-type: none"> 1. Full flat PCT touch screen IP69K 2. IP67 (STD M12 type) 3. 2nd Storage for RAID 0,1 4. M.2 SSD (128G) 5. Wireless or Wireless and BT kit (easy clean and Robust Antenna) 6. 2 External LAN (USBx2, LANx2, COMx1) 7. Cable Gland External IO 8. SUS316 Enclosure 9. M12 (female) to M12 (male) DC power extension cable (2 meters length) 	<ol style="list-style-type: none"> 10. M12 (female) to stripped and tinned wires DC extension cable (1.2 meters length) 11. Barcode Reader (can't coexist with RFID) 12. RFID (can't coexist with Barcode reader) 13. Supports floor stand solution 14. 3W speaker(IP66) 15. Waterproof type C cable, cable length is 1 meter(male to male) 16. Wall mount 17. Table mount bracket (For Type C / RFID) 		
Accessory	<ol style="list-style-type: none"> 1. Waterproof USB cable, cable length is 2 meters 2. Waterproof LAN cable, cable length is 2 meters 	<ol style="list-style-type: none"> 3. Waterproof COM cable, cable length is 2 meters 4. DC input cable 		
Customization	<ol style="list-style-type: none"> 1. Sunlight readable optical bonding 2. Roof for UV protection and sunlight readable 3. 1000 nit high brightness LCD 4. COM + Power 5V or 12V 	<ol style="list-style-type: none"> 5. Intel i3-1215UE, DC, 3.3GHz 6. Intel i7-1265UE, DC, 3.5GHz 7. WDT AP/API 8. Stainless M12 connector 		





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-8J66-XX		
	22	19	15
Product Photo			
Main System			
CPU	Intel® Elkhart Lake / SoC		
Memory	up to 32GB		
OS support	Win 10 / Win 11		
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		16.2M
View Angle (H/V)	170/160		160/150
Contrast	1000:1		800:1
Brightness (nits)	250	350	
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	2 x M12 8pin/ RS232		
LAN	1 x M12 8pin for LAN (2.5 Gigabit)		
Storage & Expansion			
Storage	2.5" SATA SSD drive bay		
Expansion slot	1 x M.2 (E key 2230) with PCIe and shared USB2.0 for wireless x 1		
Mechanical & Environmental			
Weight (kg)	12	11.5	8.4
Operating Temp.	-20~60°C		
IP rating	IP66 / NEMA4X / IP69K whole set / IK05		
Cooling	Fanless		
Power			
Power Input	DC 24 V		
Power Adapter	AC 100 ~ 277 V		
Power Consumption	TBD	TBD	TBD
Certification			
Certification	CE (EMC) / FCC-B / VCCI Class B, Canada ICES-003		
Options & Customization			
Major Options	1. Wireless LAN or Wireless and BT kit (Easy Clean and Robust Antenna) 2. Cable Gland for External I.O. 3. External LAN x 2 (USBx2, LANx2, COMx1) 4. Full Flat PCT Touch Screen IP69K 5. Stainless M12 connector	6. SUS316 Enclosure 7. IP67 8. M12 (female) to M12 (male) DC power extension cable (2M length) 9. M12 (female) to stripped and tinned wires DC extension cable (1.2M length) 10. Windows 10 (64bit) / Windows 11 (64bit)	
Accessory	1. Waterproof USB cable, cable length is 2 meters 2. Waterproof LAN cable, cable length is 2 meters 3. Waterproof COM cable, cable length is 2 meters	4. DC input cable 5. Wall Mount & Table Mount Bracket	
Customization	1. Sunlight readable optical bonding (Impact Protection Level : IK08) 2. 1000 nit high brightness LCD 3. Roof for UV protection and sunlight readable 4. 3W Speaker 5. Barcode reader	7. COM + power 5V or 12V 8. TPM 2.0 9. 5G module 10. DC-In connector x 1 (phoenix type 4pin), 11. M.2 SSD	




All product specifications are subject to change without notice

Full IP Wide Temp Panel PC III

Full IP Wide Temp Panel PC III				
Product Name	WTP-8B66 XX			
	150	19W	15W	10W
Product Photo				
Main System				
CPU	Intel® Atom / SoC			
Memory	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	DC 7 ~ 32 V			DC 9 ~ 36 V
Power Adapter	AC 100 ~ 277 V	AC 90 ~ 264 V	AC 90 ~ 264 V	AC 100 ~ 240 V
Power Consumption	40.9W	38.2W	36.1W	30.4W
Certification				
Certification	CE/ FCC/ VCCI Class B, Canada ICES-003			
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
Product Photo			
Display			
Size	15"	19"	21.5"
Resolution	1024 x 768 (XGA)	1280 x 1024 (SXGA)	1920 x 1080 (FHD)
Color Numbers	16.7M		
View Angle (H/V)	160/160	170/160	
Contrast	600:1	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		0~50°C
IP rating	IP66 (NEMA4X) / IP69K (NEMA6)		
Cooling	Fanless		
Power			
Power Input	DC 12 V		
Power Adapter	AC 90 ~2 64 V		
Certification			
Certification	FCC/ CE (EMC)/ VCCI Class B (VGA port) ; Class A (HDMI port), Canada ICES-003		
Options & Customization			
Major Options	<ol style="list-style-type: none"> SUS316 enclosure, IP67 Full flat PCT touch screen, DP to HDMI converter (for connecting WPC-766) 		
Customization	<ol style="list-style-type: none"> Sunlight readable optical bonding 1000 nits high brightness LCD HDMI connection between WTP panel PC as 2nd display 		

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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
Product Photo					
Main System					
CPU	Intel® Coffee Lake- S Core i				
Memory	up to 32GB				
Chipset	SoC				
OS support	Win 10				
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		160/160
Contrast	3000:1		1000:1		800:1
Brightness (nits)	250		350		350
Touch Panel	P-Cap	Full Flat Resis. / Optional P-Cap	Full Flat Resis.	Full Flat Resis. / Optional P-Cap	
IO Configuration					
USB	4 x USB 3.1				
COM	2 x RS232				
LAN	1 x RS232/RS422/RS485				
Audio/ Video	2 x RJ-45				
	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)	653.7 x 412 x 121.3	584.2 x 364.6 x 121.4	495.5 x 384.7 x 131.3	426.2 x 358.6 x 124.7	398 x 330 x 123.9
Operating Temp.	0~50°C				
IP rating	IP66 at front, IK05				
Cooling	Fanless				
Power					
Power Input	DC 19V~28 V				
Power Adapter	150W (PSU with PSE)				
Certification					
Certification	FCC/CE/VCCI Class B, Canada ICES-003				
Options & Customization					
Major Options	1. Wireless and BT kit (2 ant)		7. Cable Tie Bracket		
	2. Stainless Front Bezel		8. mPCIe AI Core X (VPU *1, Intel Movidius Myriad x 2485)		
	3. Silver front bezel		9. PCIe x4 AI CORE XP4/ XP8 (Intel Movidius 2 x AI Core XM 2280 / 4 x AI Core XM 2280)		
	4. Chassis Type Housing		10. USB 2.0 X 2		
	5. Open Frame Housing		11. PCIe Riser Card (X16)		
	6. M.2 NVMe SSD"				
	1. 2.5" HDD				
	2. 2nd 2.5" SSD for RAID 0,1				
	3. WDT AP/API				



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
Product 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		350
Touch Panel	Full Flat P-Cap Touch	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		
Audio/ Video	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)	653.7 x 412 x 121.3	584.3 x 364.6 x 121.4	398 x 330 x 123.9
Operating Temp.	0~50°C		
IP rating	IP66 at front, IK05		
Cooling	Fanless		
Power			
Power Input	DC 19V ~ 28 V		
Power Adapter	150W (PSU with PSE)		
Certification			
Certification	FCC/CE/VCCI Class B, Canada ICES-003		
Options & Customization			
Major Options	1. Wireless and BT kit (2 ant) 2. Projected capacitive touch screen 3. Stainless front bezel 4. Silver front bezel 5. Windows 10(2019-LTSC) (64bit) value 6. Chassis type housing 7. Openframe housing 8. Cable tie bracket 9. USB 2.0 X 2(By Cable) 10. PCIe Riser Card(X8) 11. RS232 x 3(By Cable)		
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-7H20-XX
	<div style="display: flex; justify-content: space-around;"> 22 15 </div>
Product Photo	<div style="display: flex; justify-content: space-around;">   </div>
Main System	
CPU	Intel® Alder Lake-P MCP Processors / SoC
Memory	DDR4 up to 64GB
OS support	Win 10 / 11
Display & Touch Panel	
Size	21.5"
Resolution	1920 x 1080 (FHD)
Color Numbers	16.7M
View Angle (H/V)	170/160
Contrast	1000:1
Brightness (nits)	250
Touch Panel	Projected Capacitive Touch
IO Configuration	
USB	2 x USB 2.0 2 x USB 3.2 Gen2 2 x USB 3.2 Gen2 Type-C (Support DP1.4a display output, power output 5V/3A)
COM	2 x RS-232/422/485(COM1, COM2) 1 x RS-232(COM3)
LAN	2 x RJ-45 2.5 Gbps
Audio/ Video	2 x 3.5mm phone jack connector (Line-out, Mic-in) 2 x HDMI® 2.0b
Storage & Expansion	
Storage	1 x 2.5" SATA HDD drive bay (with anti-vibration mechanism) 1 x M.2 (KEY M, 2242/2260/2280) with PCIe Gen4 x4 for SSD
Expansion slot	1 x M.2 (Key B, 3042/3052) with PCIe1, USB3.2, USB2.0 and SIM for 4G/5G 1x SIM socket connected to M.2 key B 1 x M.2 (Key E, 2230) with PCIe, USB2.0 and CNVi for Wireless
Mechanical & Environmental	
Weight (kg)	TBD
Operating Temp.	0~50°C (w/ air flow) 0~40°C (natural cooling)
IP rating	IP66 at front, IK05
Cooling	Fanless
Power	
Power Input	DC 12 ~ 28 V
Power Adapter	AC 100 ~ 240 V
Power Consumption	TBD
Certification	
Certification	CE/ FCC/ VCCI Class B
Options & Customization	
Major Options	<ol style="list-style-type: none"> 1. Wireless and BT kit (2 ant) 2. 2.5" SSD 3. Stainless steel front bezel 4. Silver front bezel 5. 1 x USB 2.0 (By Cable) 6. Windows 10 (2019-LTSC) (64bit), Windows 11 (64bit) 7. M.2 NVMe SSD 8. 2 x 2.5" SSD for RAID 0,1 9. Chassis type housing
Customization	<ol style="list-style-type: none"> 1. Open frame housing 2. Sunlight Readable by 1000 nits LCD + Optical Bonding (Impact protection level: IK08) 3. Storage door solution 4. 5G module 5. WDT AP/API 6. Intel i3-1215UE / i7-1265UE, DC



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-7G20-XX	
	22	15
Product Photo		
Main System		
CPU	Intel® Whiskey Lake-U Corei / SoC	
Memory	up to 32GB	
OS support	Win 10 / Win 11	
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	350
Touch Panel	Full flat projective capacitive touch panel	
IO Configuration		
USB	4 x USB3.1	
COM	1 x RS-232 2 x RS-232/422/485	
LAN	2 x RJ-45	
Audio/ Video	2 x 3.5mm phone jack connector (Line-out, Mic-in) 1 x HDMI 2.0a (output), 1 x DP	
Storage & Expansion		
Storage	2.5" SATA HDD drive bay x 1 (with anti-vibration mechanism) Optional M.2 (KEY M, 2242/2260/2280) SSD X 1	
Expansion slot	1 x M.2 (Key E, 2230) for Wireless 1 x M.2 (Key B, 3042) with USB2.0 and SIM for 4G	
Mechanical & Environmental		
Weight (kg)	9.6	6.4
Operating Temp.	0~50°C	
IP rating	IP66 at front, IK05	
Cooling	Fanless	
Power		
Power Input	DC 19 ~ 28 V	
Power Adapter	AC 100 ~ 240 V	
Power Consumption	90.9W	94.1W
Certification		
Certification	CE/ FCC/ VCCI Class B, Canada ICES-003	
Options & Customization		
Major Options	<ol style="list-style-type: none"> 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	<ol style="list-style-type: none"> 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 WLP-7G Series 	



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-7H20-XX	
	22	15
Product Photo		
Main System		
CPU	Intel® Alder Lake-P MCP Processors / SoC	
Memory	DDR4 up to 64GB	
OS support	Win 10 / 11	
Display & Touch Panel		
Size	21.5"	15"
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	350
Touch Panel	Full Flat Resistive Touch Panel	
IO Configuration		
USB	2 x USB 2.0 2 x USB 3.2 Gen2 2 x USB 3.2 Gen2 Type-C (Support DP1.4a display output, power output 5V/3A)	
COM	2 x RS-232/422/485(COM1, COM2) 1 x RS-232(COM3)	
LAN	2 x RJ-45 2.5 Gbps	
Audio/ Video	2 x 3.5mm phone jack connector (Line-out, Mic-in) 2 x HDMI® 2.0b	
Storage & Expansion		
Storage	1 x 2.5" SATA HDD drive bay (with anti-vibration mechanism) 1 x M.2 (KEY M, 2242/2260/2280) with PCIe Gen4 x4 for SSD	
Expansion slot	1 x M.2 (Key B, 3042/3052) with PCIe1, USB3.2, USB2.0 and SIM for 4G/5G 1x SIM socket connected to M.2 key B 1 x M.2 (Key E, 2230) with PCIe, USB2.0 and CNVi for Wireless	
Mechanical & Environmental		
Weight (kg)	TBD	
Operating Temp.	0~50°C (w/ air flow) 0~40°C (natural cooling)	
IP rating	IP66 at front, IK05	
Cooling	Fanless	
Power		
Power Input	DC 12 ~ 28 V	
Power Adapter	AC 100 ~ 240 V	
Power Consumption	TBD	
Certification		
Certification	CE/ FCC/ VCCI Class B	
Options & Customization		
Major Options	<ol style="list-style-type: none"> 1. Wireless and BT kit (2 ant) 2. 2.5" SSD 3. Stainless steel front bezel 4. Silver front bezel 5. 1 x USB 2.0 (By Cable) 6. Windows 10 (2019-LTSC) (64bit), Windows 11 (64bit) 7. M.2 NVMe SSD 8. 2 x 2.5" SSD for RAID 0,1 9. Chassis type housing 	
Customization	<ol style="list-style-type: none"> 1. Open frame housing 2. Sunlight Readable by 1000 nits LCD + Optical Bonding (Impact protection level: IK08) 3. Storage door solution 4. 5G module 5. WDT AP/API 6. Intel i3-1215UE / i7-1265UE, DC 	






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-7G20-XX	
	22	15
Product Photo		
Main System		
CPU	Intel® Whiskey Lake-U Corei / SoC	
Memory	up to 32GB	
OS support	Win 10 / Win 11	
Display & Touch Panel		
Size	21.5"	15"
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	Full Flat Resistive Touch	
IO Configuration		
USB	4 x USB3.1	
COM	1 x RS-232 2 x RS-232/422/485	
LAN	2 x RJ-45	
Audio/ Video	2 x 3.5mm phone jack connector (Line-out, Mic-in) 1 x HDMI® 2.0a (output), 1 x DP	
Storage & Expansion		
Storage	1 x 2.5" SATA HDD drive bay Optional 1 x M.2 (KEY M 2242/2260/2280) SSD	
Expansion slot	1 x M.2 (Key E, 2230) for Wireless 1 x M.2 (Key B, 3042) with USB2.0 and SIM for 4G	
Mechanical & Environmental		
Weight (kg)	9.6	6.4
Operating Temp.	0~50°C	
IP rating	IP66 at front, IK05	
Cooling	Fanless	
Power		
Power Input	DC 19 ~ 28 V	
Power Adapter	AC 100 ~ 240 V	
Power Consumption	90.9W	94.1W
Certification		
Certification	CE/ FCC/ VCCI Class B, Canada ICES-003	
Options & Customization		
Major Options	<ol style="list-style-type: none"> 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) 	
Customization	<ol style="list-style-type: none"> 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 	






All product specifications are subject to change without notice

Panel Mount P-Cap, Full Flat Resis. Touch Panel PC I - Atom Series

Panel Mount P-Cap, Full Flat Resis. Touch Panel PC I - Atom Series					
Product Name	WLP-7120-XX				
	22	15.6	15	10.4	10.1
Product Photo					
Main System					
CPU	Intel® Elkhart Lake / SoC				
Memory	up to 32GB				
OS support	Win 10 / Win 11				
Display & Touch Panel					
Size	21.5"	15.6"	15"	10.4"	10.1"
Resolution	1920 x 1080 (Full HD)	1366 x 768 (HD)	1024 x 768 (XGA)	800 x 600 (SVGA)	1280 x 800 (WXGA)
Color Numbers	16.7M		16.2M		16.7M
View Angle (H/V)	170/160		160/150	160/130	170/170
Contrast	1000:1	500:1	800:1	500:1	800:1
Brightness (nits)	250	400	350	230	400
Touch Panel	Full Flat Resistive Touch Projected Capacitive Touch				Full Flat Resistive Touch
IO Configuration					
USB	2 x USB3.2(Gen 1) 2 x USB2.0				
COM	1 x RS-232 2 x RS-232/422/485				
LAN	1 x RJ-45 1 Gbps 1 x RJ45 2.5 Gbps				
Audio/ Video	2 x 3.5mm phone jack connector (Line-out, Mic-in) 1 x HDMI® 2.0b, 1 x VGA				
Storage & Expansion					
Storage	1 x 2.5" SATA HDD drive bay (with anti-vibration mechanism) 1 x M.2 (KEY M, 2242/2260/2280) with SATA3 and PCIeX1 for SSD				
Expansion slot	1 x PCIe x1(Gen 3) 1 x M.2 (Key E, 2230) with PCIe x1 and shared USB2.0 for Wireless 1 X M.2 (Key B, 3042/3052) with PCIeX1/USB2.0/USB3.2 and SIM for 4G/5G 1 x SIM socket connected to M.2 key B				
Mechanical & Environmental					
Weight (kg)	TBD				6
Operating Temp.	0~50°C by SSD 0~40°C by HDD				
IP rating	Front IP66				
Cooling	Fanless				
Power					
Power Input	DC 12 ~ 28 V				
Power Adapter	AC 100 ~ 240 V				
Power Consumption	TBD				
Certification					
Certification	CE / FCC / VCCI Class B				
Options & Customization					
Major Options	1. Wireless and BT kit 2. 2.5" SSD 3. Stainless steel front bezel 4. Silver front bezel 5. USB 2.0 x 2 6. Windows 10 (64bit), Windows 11 (64bit)				
Add On Cable	1. DC input cable				
Customization	1. Open frame housing or Chassis type housing 2. Sunlight Readable by 1000 nits LCD + Optical Bonding (Impact protection level: IK08) 3. M.2 SSD 4. Storage door Solution 5. 5G Module 6. TPM 2.0				


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Panel Mount P-Cap, Full Flat Resis. Touch Panel PC II - Atom Series

Panel Mount P-Cap, Full Flat Resis. Touch Panel PC II - Atom Series					
Product Name	WLP-7E20-XX		WLP-7B20-XX		
	15	10	15	12	10
Product 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	800:1	700:1	400:1
Brightness (nits)	350	230	350	450	230
Touch Panel	Full Flat Resistive Touch Projected Capacitive Touch				
IO Configuration					
USB	4 x USB 3.0		1 x USB 3.0 3 x USB 2.0		
COM	2 x RS-232 1 x RS-232/422/485				
LAN	2 x RJ-45				
Audio/Video	2 x 3.5mm phone jack (Line-out, Mic-in) / 1 x HDMI 1.4b (output), 1 x VGA		2 x 3.5mm phone jack connector (Line-out, Mic-in) / 1 x DVI-I		
Mechanical & Environmental					
Weight (kg)	6.4	3	5.5	4.5	3.5
Operating Temp.	0~50°C (w/ air flow)	0~45°C HDD (w/ air flow) 0~50°C SSD (w/ air flow)	0~50°C (w/ air flow)		
IP rating	IP66 at front, IK05		Front IP66		
Cooling	Fanless				
Power					
Power Input	DC 19 ~ 24 V	DC 19 ~ 24 V	DC 7 ~ 32 V	DC 7 ~ 32 V	DC 7 ~ 32 V
Power Adapter	AC 100 ~ 240 V	AC 100 ~ 240 V	AC 90 ~ 264 V	AC 90 ~ 264 V	AC 90 ~ 264 V
Power Consumption	52.8W	38.7W	29.93W	30.7W	28W
Certification					
Certification	CE/ FCC/ VCCI Class B, Canada ICES-003				
Options & Customization					
Major Options	<ol style="list-style-type: none"> 1. Stainless front bezel, 2. Silver front bezel, 3. USB 2.0 x 2, 4. 2.5" SSD 5. TPM 2.0 6. Maximum length is 7.2 meters by 3x2m DC cables 7. Wireless and BT kit (2nt) 		<ol style="list-style-type: none"> 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. Silver front bezel 5. Chassis type housing 6. 2.5" SSD 7. mSATA module 8. Wireless and BT kit (2nt) 9. TPM 2.0 Module 		
Customization	<ol style="list-style-type: none"> 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 		<ol style="list-style-type: none"> 1. Open frame housing 2. Sunlight readable optical bonding 3. LCD auto dimming 4. LCD super dimming (Low brightness) 5. Storage door Solution 		



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Chassis P-cap Touch Panel PC

Chassis P-cap Touch Panel PC	
Product Name	WMP-105
Product Photo	
Main System	
CPU	Intel® Celeron® N3350 Processor, 1.1GHz (up to 2.4G Hz)
Memory	up to 8GB
Chipset	Soc
OS support	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)	400
Touch panel	Chassis Projective Capacitive Touch Panel
IO Configuration	
USB	2 x USB3.0
COM	1 x RS232/422/485
LAN	2 x RJ-45
Audio/Video	Line Out, 1 x 3.5mm Phone Jack, 1 x 1.5W Speaker 1 x HDMI 1.4 / VGA 1 x D-sub
Storage & Expansion	
Storage	M.2 M-key 2242 SATA SSD
Expansion slot	1 x Mini-PCIe slot, Full Card Size, Signal (Support PCIe1, USB2.0)
Mechanical & Environmental	
Weight (kg)	1.27KG
Operating Temp.	0~50°C (IEC60068-2-78)
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, Canada ICES-003, CE-EMC EN60601-1-2 (V4.0)
Options & Customization	
Major Options	<ol style="list-style-type: none"> 802.11 ac/a/b/g/n WLAN + Bluetooth Module (not coexist with PoE) (802.11 ac/a/b/g/n WLAN antenna at top, bluetooth 5.0 antenna at I/O side) TPM 2.0 by module (not coexist with PoE) Ethernet RJ45 male to female right angle adapter x 2 Operation system: Windows 10 IoT 2019 LTSC (64bit) 128G M.2 SSD storage 8G RAM module
Customization	<ol style="list-style-type: none"> Webcam RFID COM x 2 Panel Mount Kit White Rear Cover PoE Module In Wall Mount Bracket 3G/4G Module Car Ignition Power Control

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Wide Temp High Brightness Touch Panel PC

Wide Temp High Brightness Touch Panel PC				
Product Name	WLP-7H20-XX	WLP-7J20-XX	WLP-7B20-XX	
	22H	15H	15H	10H
Product Photo				
Main System				
CPU	Intel® Alder Lake-P	Intel® Elkhart Lake	Intel® Atom	
Memory	up to 64GB	up to 32GB	up to 8GB	
Chipset	Soc			
OS support	Windows 10 / 11		Win7 pro/ Win8 / Win10	
Display & Touch Panel				
Size	21.5"	15"	10"	
Resolution	1920 x 1080 (Full HD)	1024 x 768 (XGA)	800 x 600 (SVGA)	
Color Numbers	16.7M		16.2M	
View Angle (H/V)	178/178	160/160	80/70	130/120
Contrast	1000:1	700:1		400:1
Brightness (nits)	1000			
Touch Panel	Full Flat Resistive Touch (Default) Projected Capacitive Touch (Option)			
IO Configuration				
USB	2 x USB 2.0, 2 x USB 3.2(Gen2) 2 x USB 3.2 Gen2 Type-C	1 x USB 3.0, 3 x USB 2.0(Gen 2)	1 x USB 3.0, 3 x USB 2.0	
COM	2 x RS232, 1 x RS232/422/485			
LAN	2 x RJ-45	2 x Gigabit LAN	2 x RJ-45	
Audio/ Video	2 x 3.5mm phone jack connector (Line-out, Mic-in) 2 x HDMI® 2.0b	1 x 3.5mm phone jack connector 1 x HDMI® 1.4b 1 x DP1.2	2 x 3.5mm phone jack connector (Line-out, Mic-in)/ 1 x DVI-I	
Storage & Expansion				
Storage	1 x 2.5" SATA HDD drive bay 1 x M.2 (KEY M, 2242/2260/2280) with PCIe Gen4 x4 for SSD	1 x 2.5" SATA HDD drive bay	WT 128GB 2.5" SATA SSD	
Expansion slot	1 x M.2 (Key B, 3042/3052) with PCIe1, USB3.2 USB2.0 and SIM for 4G/5G 1x SIM socket connected to M.2 key B 1 x M.2 (Key E, 2230) with PCIe USB2.0 and CNVi for Wireless	1 x M.2 (Key E, 2230) with PCIe x1 and shared USB2.0 for Wireless x1	2 x Mini PCIe	
Mechanical & Environmental				
Weight (kg)	TBD	6.4	6.5	3.9
Operating Temp.	-20~60°C		-20~65°C	
IP rating	Front IP66			
Cooling	Fanless			
Power				
Power Input	DC 12~28V	DC 12 V	DC 7~32 V	
Power Adapter	AC 100 ~240V		AC 90~264V	
Power Consumption	TBD		36.3W	28.3W
Certification				
Certification	CE (EMC) / FCC-B / VCCI / ICES-003	CE (EMC) / FCC-B / VCCI	CE/FCC/VCCI Class B, Canada ICES-003	
Options & Customization				
Major Options	<ol style="list-style-type: none"> 1. Wireless and BT kit (2 ant) 2. Projected capacitive touch screen 3. Stainless front bezel 4. Silver front bezel 5. Windows 10(2019-LTSC) (64bit) 6. M.2 NVMe SSD 7. USB 2.0 X 1(By Cable) 8. Chassis type housing 9. Windows 11(64bit) 10. 2 X 2.5" Storage for Raid 0,1 	<ol style="list-style-type: none"> 1. Wireless and BT kit 2. Projected capacitive touch screen 3. Stainless steel front bezel 4. Silver front bezel 5. USB 2.0 x 2 6. Windows 10 (64bit), Windows 11 (64bit) 	<ol style="list-style-type: none"> 1. DC input power plug (black, 1.22m length) 2. Wireless or Wireless + BT kit 3. Change to P-cap touch 4. Stainless front bezel 5. Silver front bezel 6. 2.5" SSD 7. TPM 	
Customization	<ol style="list-style-type: none"> 1. Open frame housing 2. Sunlight Readable by 1000 nits LCD + Optical Bonding (Impact protection level: IK08) 3. Storage door Solution 4. 5G Module 5. WDT AP/API 6. Intel i3-1215UE / i7-1265UE, DC 	<ol style="list-style-type: none"> 1. Open frame housing 2. Chassis type housing 3. Sunlight Readable by 1000 nits LCD + Optical Bonding (Impact protection level: IK08) 4. M.2 SSD 5G module 5. Storage door Solution 	<ol style="list-style-type: none"> 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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