



Automation for a Changing World




Delta Industrial PC IPC Series / PPC Series

Industrial PCs - IPC & PPC

In response to the market demands for industrial information management, Delta presents the industrial PCs: Industrial box PC (IPC) and Industrial Panel PC (PPC).

The Industry PC (IPC) is compact and robust with a fanless design and aluminum case featuring cooling effects. Its rugged structure and excellent vibration resistance make it highly protective against pollution, dust, and electromagnetic interference when applied in industrial environments, such as machinery equipment, transportation, infrastructure and others.

The Industrial Panel PC (PPC), built with an aluminum case, is composed of a front panel and a rear panel with heat sink. It is slim and sealed with a fanless design, and is suitable for applications in the rubber machinery, solar photovoltaic, automotive control and other industrial fields.

	Standard Type	Intel® Celeron J1900	4GB RAM Memory	Network protocol (2 GbE)
			SSD 128G	VGA/HDMI × 1
			USB × 6 / Serial COM ports × 6	—
	Advance Type	Intel® Core i3/i5 Series	4GB RAM Memory	Network protocol (2 GbE)
			SSD 256G/512G	VGA/HDMI × 1
			USB × 6 / Serial COM ports × 6	—
	Professional Type	Intel® Core i3/i5/i7 Series	8GB RAM Memory	Network protocol (2 GbE)
			SSD 256G/512G	VGA/HDMI × 1
			USB × 6 / Serial COM ports × 6	PCI × 2 or PCI × 1 + PCIe × 16 × 1
	Standard Type with Panel	Intel® Celeron J1900	4GB RAM Memory	Network protocol (2 GbE)
			SSD 128G	VGA/HDMI × 1
			USB × 4 / Serial COM ports × 4	10" / 12" / 15" / 17" Panel
	Advance Type With Panel	Intel® Core i3/i5 Series	4GB RAM Memory	Network protocol (2 GbE)
			SSD 256G/512G	VGA/HDMI × 1
			USB × 4 / Serial COM ports × 4	15" / 19" Panel



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Industrial Box PC (IPC)

Standard Type

- Intel® Celeron J1900 processor
- Fanless system
- Supports VGA × 1 and HDMI × 1
- Operating Temperature -20°C ~ 40°C
- Storage: 128GB mSata SSD × 1
- Memory: Built-in 4GB/Max. capacity: 8GB

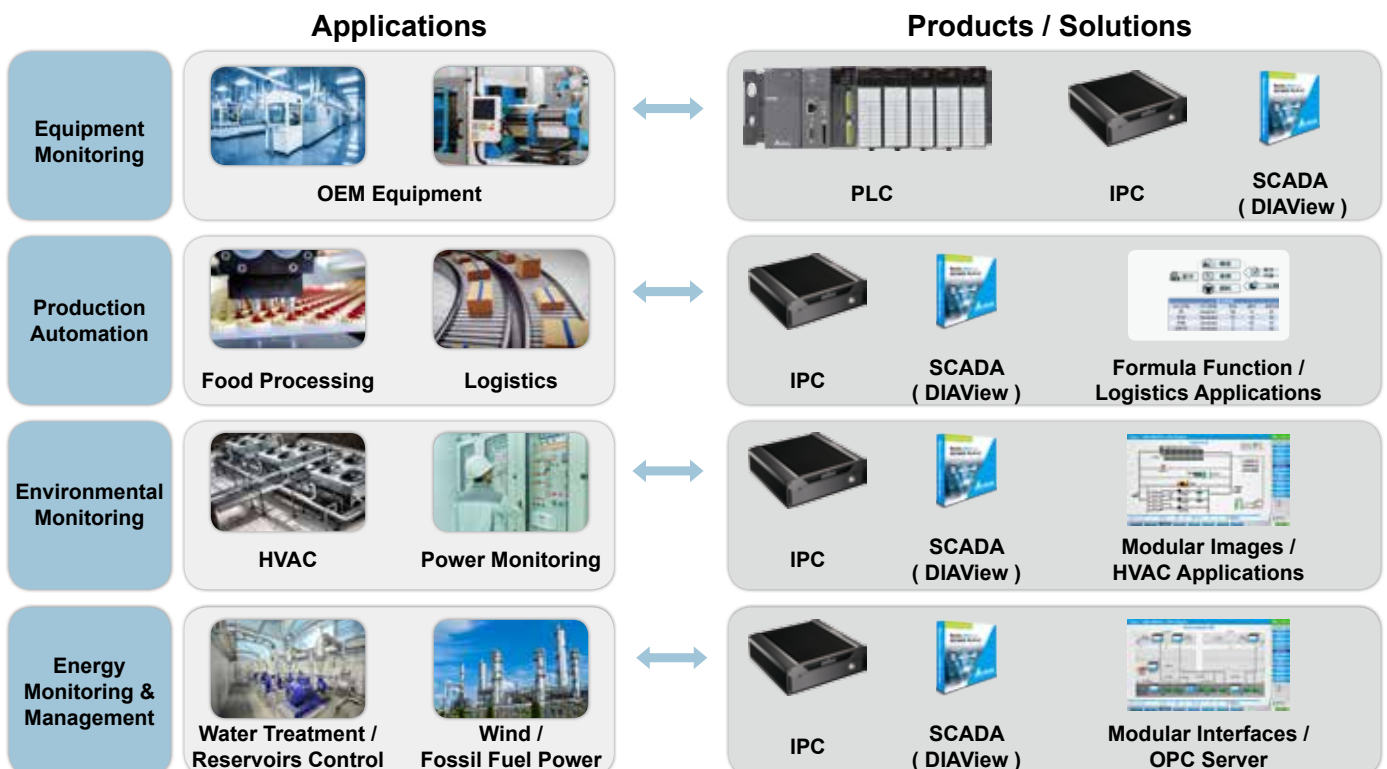
Advance Type

- Intel® 6th Generation Core i3/i5 processor
- Fanless system
- Supports VGA × 1 and HDMI × 1
- Operating Temperature -20°C ~ 60°C
- Storage: 512GB or 256GB mSata SSD × 1
- Memory: Built-in 4GB/Max. capacity: 16GB

Professional Type

- Intel® 6th Generation Core i3/i5/i7 processor
- Fanless system
- Supports VGA × 1 and HDMI × 1
- Operating Temperature -10°C ~ 60°C
- Storage: 512GB or 256GB mSata SSD × 1
- Memory: Built-in 8GB/Max. capacity: 32GB
- Expansion slot: PCI × 1 and PCIe × 1

Integration with SCADA System for Industrial Applications



Specifications

Model Name		Standard Type	Advance Type	Professional Type
		DIAVH-IPC00J102	DIAVH-IPC003102A / DIAVH-IPC005102A / DIAVH-IPC003102 / DIAVH-IPC005102	IPC-A300 Series
Performance	CPU	Intel® Celeron J1900	Intel® 6th Generation Core i3 / i5 Series	Intel® 6th Generation Core i3 / i5 / i7 Series
	Memory	4GB on board, Max capacity to 8GB	4GB on board, Max capacity to 16GB	8GB on board, Max capacity to 32GB , Expansion Slot ×2
	Storage	128GB mSata SSD	512GB/256GB mSata SSD (tail: A)	512GB/256GB SSD
	Display	Built-in video card		
	Chipset	Supports Mini-PCIE bus for WiFi communication expansion		
I/O Interface	Serial COM Port	RS-232 ×5, RS-485 ×1	RS-232 ×4, RS-485 ×2	RS-232/422/485 ×2 (Via BIOS setup)
	USB	USB2.0 ×5, USB3.0 ×1	USB2.0 ×2, USB3.0 ×4	USB3.0 ×4
	Ethernet Port	Intel® I211 Gigabit Ethernet Controller x2		
	Display	VGA ×1, HDMI ×1		
	Audio Output	Audio input /output ×1		
Power Characteristics	Power Supply	With power adapter: Input voltage/frequency: 100 ~ 240V _{AC} /50 ~ 60Hz Output voltage/current: 12V _{DC} /5A		With power adapter: Input voltage/frequency: 100 ~ 240V _{AC} /50 ~ 60Hz Output voltage/current: 24V _{DC} /5A Without power adapter (DC power required): Output voltage/current: 24V _{DC} /15A
	Power Consumption	7W (Standby mode) 16W (Max. power consumption)	10W (Standby mode) 28W (Max. power consumption)	28W (Standby mode) 109W (PCI card inserted, max. power consumption)
Environmental Test	Anti-Vibration	5 ~ 19Hz/1.0 mm amplitude; 19 ~ 200Hz/1.0g acceleration		2.0G, 5 ~ 500Hz
	Anti-Shock	10g acceleration, 11ms duration		None
	Reliability	MTBF ≥ 5000h, MTTR ≤ 0.5h		MTBF ≥ 90000h, MTTR ≤ 0.5h
	Operating Temperature	-20°C ~ 40°C	-20°C ~ 60°C	-10°C ~ 60°C
	Storage Temperature	-40°C ~ 70°C	-40°C ~ 70°C	-20°C ~ 80°C
	Operating Humidity	95% @ 40°C, non-condensing		10 ~ 90%, non-condensing
	Certification	CE, FCC, BSMI		CE, FCC
Mechanical Properties	Dimensions	Incl. fixture: 211.5mm (L) × 200mm (W) × 67mm (H); Excl. fixture: 251.9mm (L) × 200mm (W) × 71.6mm (H)		Incl. fixture: 147.5mm (L) × 230mm (W) × 192mm (H)
	Color	Black		Dark Grey
	Material	Aluminum alloy metal shell		Aluminum alloy metal shell with SGCC stainless metal
	Weight	2.8Kg/3.5Kg (net weight/gross weight)		4.4Kg/5.4Kg (net weight/gross weight)



Industrial Panel PC - PPC (10-inch / 12-inch / 15-inch / 17-inch) Intel Celeron J1900

Standard Type Specifications

Model Name		DIAVH-PPC10J102A	DIAVH-PPC12J102A	DIAVH-PPC15J102	DIAVH-PPC17J102
Performance	CPU	Intel® Celeron J1900			
	Memory	4GB on board, Max capacity to 8GB			
	Storage	128GB mSata SSD			
	Display	Built-in video card			
	Chipset	Supports Mini-PCIE bus for WiFi communication expansion and more			
	LED Screen	10-inch Resolution: 1024x768 Brightness: 300cd/m ² Contrast Ratio: 800:1	12-inch Resolution: 1024x768 Brightness: 450cd/m ² Contrast Ratio: 700:1	15-inch Resolution: 1024x768 Brightness: 300cd/m ² Contrast Ratio: 1500:1	17-inch Resolution: 1280x1024 Brightness: 250cd/m ² Contrast Ratio: 1000:1
	Touch Screen	5-wire/resistive, USB interface			
I/O Interface	Serial COM Port	RS-232 ×3, RS-485 ×1			
	USB	USB3.0 ×4			
	Ethernet Port	Intel® I211 Gigabit Ethernet Controller ×2			
	Display	VGA ×1, HDMI ×1			
	Audio Output	Audio input /output ×1			
Power Characteristics	Power Supply	100~240 V _{AC} /50~60Hz (with power adapter) 12V _{DC} /5A (without power adapter)			
	Power Consumption	10W (Standby mode) 19W (Running Max. Power 100%)	15W (Standby mode) 20W (Running Max. Power 100%)	11W (Standby mode) 26W (Running Max. Power 100%)	11W (Standby mode) 30W (Running Max. Power 100%)
Environmental Test	Anti-Vibration	5 ~ 19Hz/1.0mm amplitude; 19 ~ 200Hz/1.0g acceleration			
	Anti-Shock	10g acceleration, 11ms duration			
	Reliability	MTBF ≥ 5000h, MTTR ≤ 0.5h			
	Operating Temperature	-10°C ~ 40°C			
	Storage Temperature	-20°C ~ 60°C			
	Operating Humidity	95% @ 40°C, non-condensing			
	Certification	CE, FCC, BSMI			
Mechanical Properties	Dimensions	258mm (L) 198mm (W) 57.5mm (H)	317mm (L) 246mm (W) 66mm (H)	380mm (L) 300mm (W) 59mm (H)	400mm (L) 320mm (W) 59mm (H)
	Color	Silver			
	Material	Aluminum alloy metal shell			
	Weight	2.5kg/4.0kg (net weight / gross weight)	4.3kg/5.7kg (net weight / gross weight)	5.2kg/6.8kg (net weight / gross weight)	6.1kg/8.0kg (net weight / gross weight)

Industrial Panel PC - PPC (15-inch / 19-inch) Intel Core i3 / i5 Series

Advance Type Specifications



Model Name		DIAVH-PPC153102A / DIAVH-PPC155102A / DIAVH-PPC153102 / DIAVH-PPC155102	DIAVH-PPC193102A / DIAVH-PPC195102A / DIAVH-PPC193102 / DIAVH-PPC195102
Performance	CPU	Intel® 6th Generation Core i3 / i5 CPU	
	Memory	4GB on board, Max capacity to 16GB	
	Storage	512GB / 256GB mSata SSD (tail: A)	
	Display	Built-in video card	
	Chipset	Supports Mini-PCIE bus for WiFi communication expansion and more	
	LED Screen	15-inch Resolution: 1024x768 Brightness: 300cd/m ² Contrast Ratio: 1500 : 1	19-inch Resolution: 1440x900 Brightness: 250cd/m ² Contrast Ratio: 1000 : 1
	Touch Screen	5-wire/resistive, USB interface	
I/O Interface	Serial COM Port	RS-232 × 3, RS-485 × 1	
	USB	USB3.0 × 4	
	Ethernet Port	Intel® I211 Gigabit Ethernet Controller × 2	
	Display	VGA × 1, HDMI × 1	
	Audio Output	Audio input/output × 1	
Power Characteristics	Power Supply	100~240V _{AC} / 50~60Hz (with power adapter) 12V _{DC} / 5A (without power adapter)	
	Power Consumption	19W (Standby mode) 40W (Running Max. Power 100%)	20W (Standby mode) 41W (Running Max. Power 100%)
Environmental Test	Anti-Vibration	5 ~ 19Hz / 1.0mm amplitude; 19 ~ 200Hz / 1.0g acceleration	
	Anti-Shock	10g acceleration, 11ms duration	
	Reliability	MTBF ≥ 5000h, MTTR ≤ 0.5h	
	Operating Temperature	-10°C ~ 50°C	
	Storage Temperature	-20°C ~ 60°C	
	Operating Humidity	95% @ 40°C, non-condensing	
	Certification	CE, FCC, BSMI	
Mechanical Properties	Dimensions	380mm (L) × 300mm (W) × 59mm (H)	475mm (L) × 308mm (W) × 57mm (H)
	Color	Silver	
	Material	Aluminum alloy metal shell	
	Weight	5.2kg / 6.8kg (net weight / gross weight)	7.3kg / 8.8kg (net weight / gross weight)



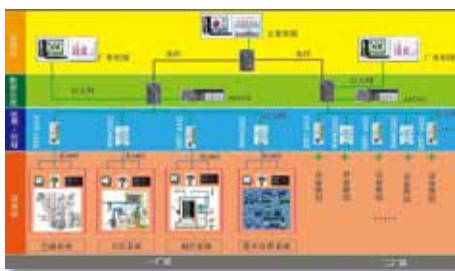
Applications

Factory Digitalization

- Factory data acquisition, process control and management
- Data Information Storage and analysis, realizing distributed system calculation

Logistic Application: Transportation and Stereoscopic Warehouse

- Material storage arrangement according to database; material load / unload via barcode scanning
- Enhances material storage management / load / unload efficiency, saving space, and reducing manpower



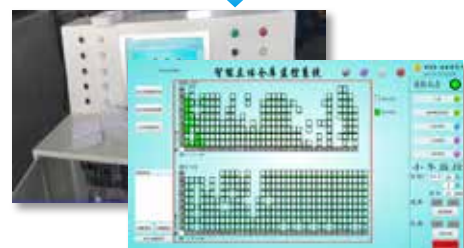
Factory Digitalization



Warehousing System



Factory Equipment Monitoring



Warehouse Monitoring



Inspection & Monitoring of Electronic Equipment

- Connects PLCs and inspection equipment for routine inspection, realizing powerful group control
- Records daily production, yield rate, and provides inquiry functions



Electronic Inspection Equipment



Inspection and Monitoring Interfaces

Equipment Monitoring System

- Achieves real-time remote monitoring of machine operating status
- Allows device suppliers to remotely lock/unlock devices for flexible management

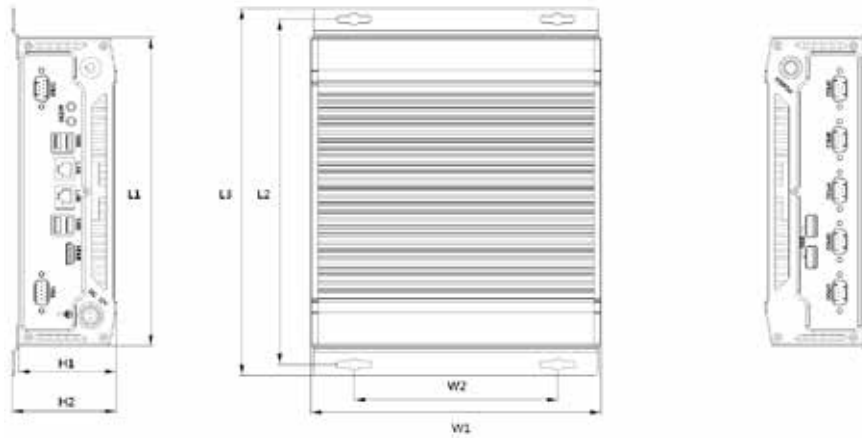


Total Configuration of Equipment Monitoring

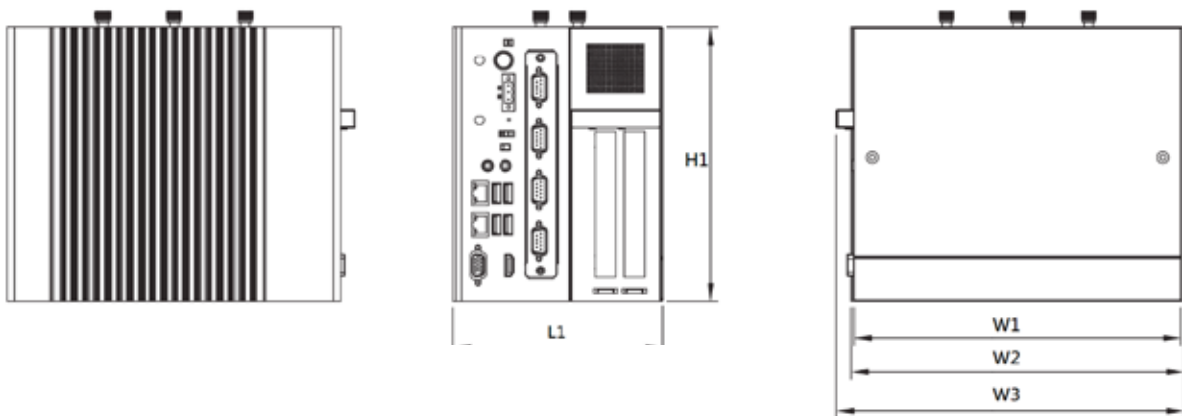


Equipment Remote Monitoring

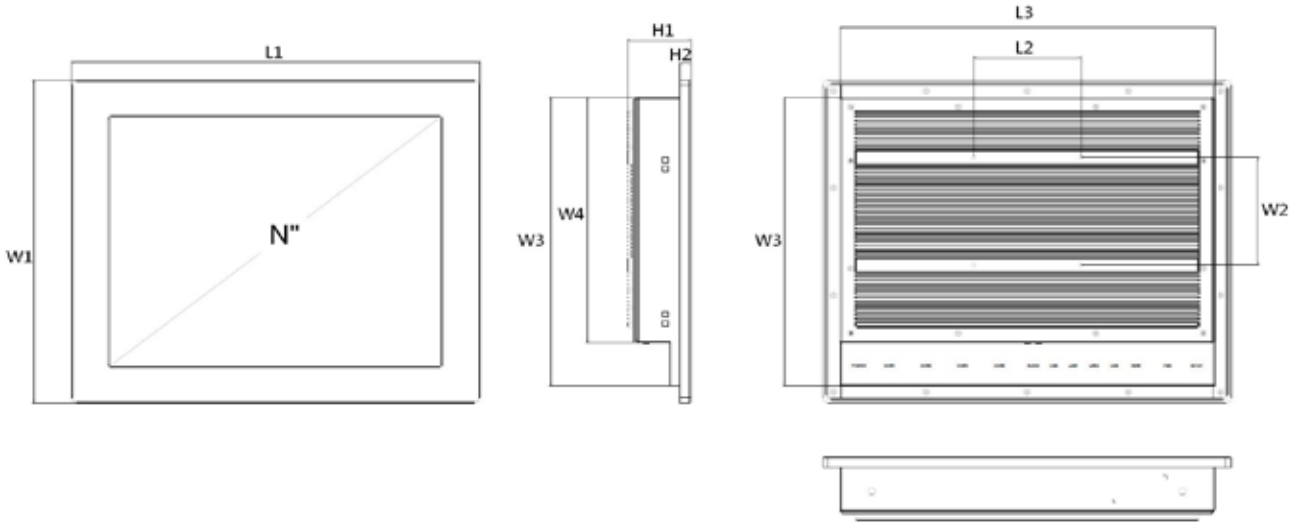
Dimensions Unit: mm



Model Name	L			W		H	
	L1	L2	L3	W1	W2	H1	H2
DIAVH-IPC00J10X	211.5	236.9	251.9	200	140	67	71.6
DIAVH-IPC00310X							
DIAVH-IPC00510X							
DIAVH-IPC00310XA							
DIAVH-IPC00510XA							



Model Name	L	W			H
	L1	W1	W2	W3	H1
IPC-A300 Series	211.5	200	140	244.3	67



Model Name	size	L			W				H	
	N"	L1	L2	L3	W1	W2	W3	W4	H1	H2
DIAVH-PPC10J10X	10"	258	100	239.8	198	100	148.4	148.4	57.5	10
DIAVH-PPC12J10X	12"	317	100	306	246	100	235	190	65.7	6
DIAVH-PPC15J10X	15"	380	100	348.8	300	100	268.4	228.4	59	10
DIAVH-PPC15310X(A)										
DIAVH-PPC15510X(A)	17"	400	100	365.4	320	100	300.4	245	59	10
DIAVH-PPC17J10X										
DIAVH-PPC19310X(A)	19"	475	100	440.4	308	100	288.4	245	57	10
DIAVH-PPC19510X(A)										



Ordering Information

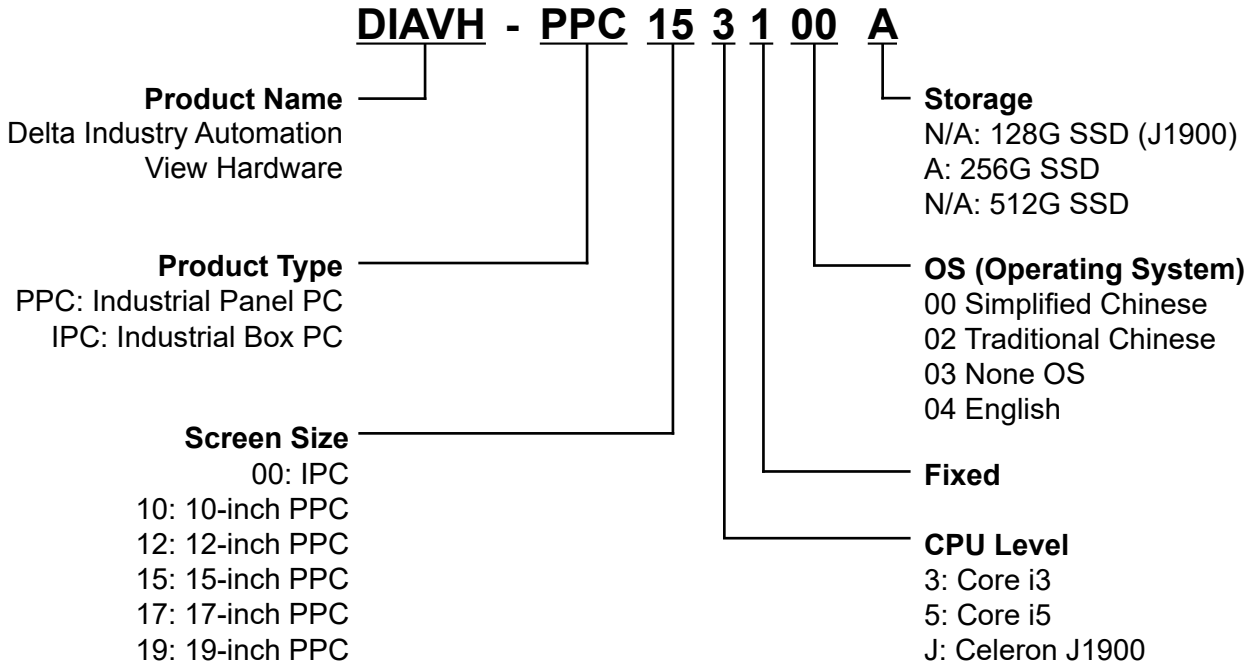
Product		Model Name	Description	Specifications							
				CPU	Size	Memory	Storage	COM	LAN	USB	Operating System
PPC	Standard Type	DIAVH-PPC10J104	Fanless Resistive Touch screen Panel PC	Intel® Celeron J1900	10-inch	4GB RAM	128G SSD	4	2	4	Win10-Professional
		DIAVH-PPC10J103			PPC hardware only						
		DIAVH-PPC12J104			12-inch						Win10-Professional
		DIAVH-PPC12J103									PPC hardware only
		DIAVH-PPC15J104			15-inch						Win10-Professional
		DIAVH-PPC15J103									PPC hardware only
		DIAVH-PPC17J104			17-inch						Win10-Professional
		DIAVH-PPC17J103									PPC hardware only
	Advance Type	DIAVH-PPC153104A		i3	15-inch	512G SSD	Win10-Professional				
		DIAVH-PPC153103A					PPC hardware only				
		DIAVH-PPC155104A		i5	Win10-Professional						
		DIAVH-PPC155103A			PPC hardware only						
		DIAVH-PPC193104A		i3	19-inch		Win10-Professional				
		DIAVH-PPC193103A					PPC hardware only				
		DIAVH-PPC195104A		i5	Win10-Professional						
		DIAVH-PPC195103A			PPC hardware only						
		DIAVH-PPC153104		i3	15-inch		Win10-Professional				
		DIAVH-PPC153103					PPC hardware only				
		DIAVH-PPC155104		i5	Win10-Professional						
		DIAVH-PPC155103			PPC hardware only						
		DIAVH-PPC193104		i3	19-inch		Win10-Professional				
		DIAVH-PPC193103					PPC hardware only				
		DIAVH-PPC195104		i5	Win10-Professional						
		DIAVH-PPC195103			PPC hardware only						

Product		Model Name	Description	Specifications						
				CPU	Memory	Storage	COM	LAN	USB	Operating System
IPC	Standard Type	DIAVH-IPC00J104	Fanless IPC	Intel® Celeron J1900	4GB RAM	128G SSD	6	2	6	Win10-Professional
		DIAVH-IPC00J103								IPC hardware only
	Advance Type	DIAVH-IPC003104A		i3	512G SSD	Win10-Professional				
		DIAVH-IPC003103A				IIPC hardware only				
		DIAVH-IPC005104A		i5		Win10-Professional				
		DIAVH-IPC005103A				IPC hardware only				
		DIAVH-IPC003104		i3		Win10-Professional				
		DIAVH-IPC003103				IPC hardware only				
		DIAVH-IPC005104		i5		Win10-Professional				
		DIAVH-IPC005103				IPC hardware only				

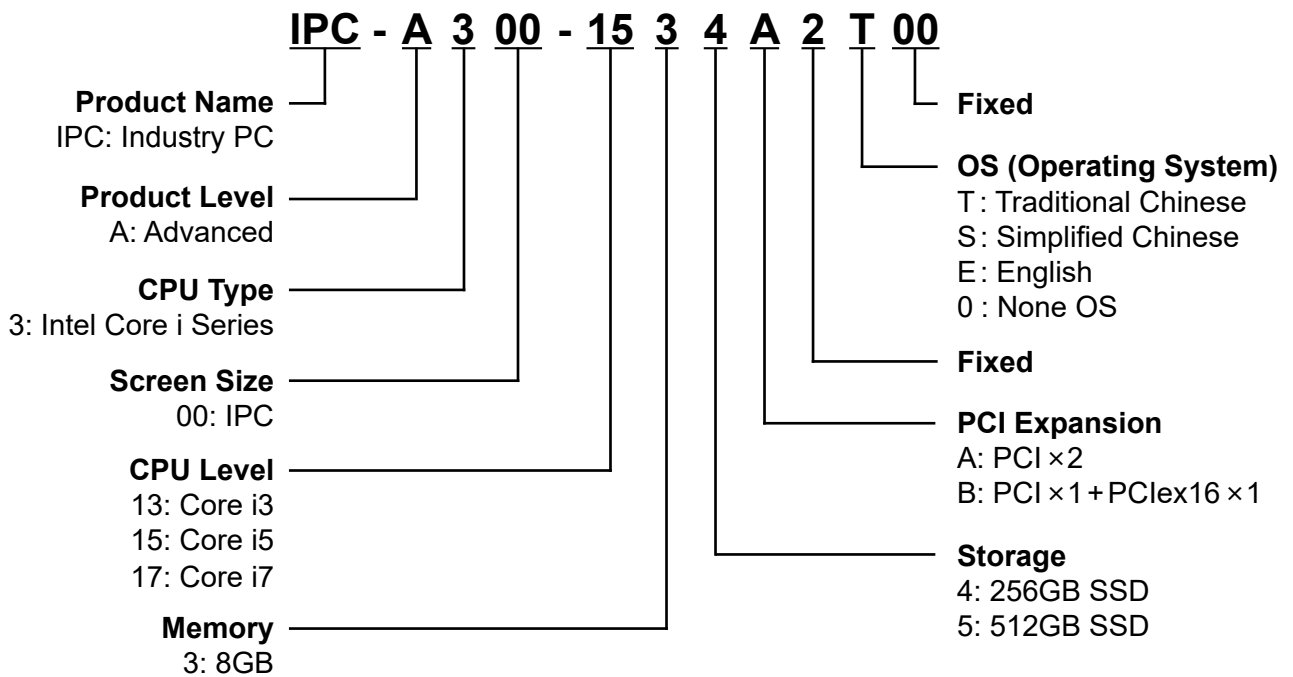
Product	Model name	Description	Specification							
			CPU	Memory	Storage	COM	LAN	USB	PCI Expansion	Operating system
IPC	Professional Type	Fanless IPC	i3	8GB RAM	256G SSD	4	2	6	PCI × 2	Win10-Professional
										IPC hardware only
									PCI × 1 + PCIe16 × 1	Win10-Professional
										IPC hardware only
									PCI × 2	Win10-Professional
										IPC hardware only
			PCI × 1 + PCIe16 × 1						Win10-Professional	
									IPC hardware only	
			PCI × 2						Win10-Professional	
									IPC hardware only	
			PCI × 1 + PCIe16 × 1						Win10-Professional	
									IPC hardware only	
			i5		PCI × 2				Win10-Professional	
									IPC hardware only	
					PCI × 1 + PCIe16 × 1				Win10-Professional	
									IPC hardware only	
					PCI × 2				Win10-Professional	
									IPC hardware only	
			PCI × 1 + PCIe16 × 1		Win10-Professional					
					IPC hardware only					
			i7		PCI × 2				Win10-Professional	
									IPC hardware only	
					PCI × 1 + PCIe16 × 1				Win10-Professional	
									IPC hardware only	
PCI × 2	Win10-Professional									
	IPC hardware only									
PCI × 1 + PCIe16 × 1	Win10-Professional									
	IPC hardware only									
i3	PCI × 2	Win10-Professional								
		IPC hardware only								
	PCI × 1 + PCIe16 × 1	Win10-Professional								
		IPC hardware only								
	PCI × 2	Win10-Professional								
		IPC hardware only								
PCI × 1 + PCIe16 × 1	Win10-Professional									
	IPC hardware only									
i5	PCI × 2	Win10-Professional								
		IPC hardware only								
	PCI × 1 + PCIe16 × 1	Win10-Professional								
		IPC hardware only								
	PCI × 2	Win10-Professional								
		IPC hardware only								
PCI × 1 + PCIe16 × 1	Win10-Professional									
	IPC hardware only									
i7	PCI × 2	Win10-Professional								
		IPC hardware only								
	PCI × 1 + PCIe16 × 1	Win10-Professional								
		IPC hardware only								
	PCI × 2	Win10-Professional								
		IPC hardware only								
PCI × 1 + PCIe16 × 1	Win10-Professional									
	IPC hardware only									
i3	PCI × 2	Win10-Professional								
		IPC hardware only								
	PCI × 1 + PCIe16 × 1	Win10-Professional								
		IPC hardware only								
	PCI × 2	Win10-Professional								
		IPC hardware only								
PCI × 1 + PCIe16 × 1	Win10-Professional									
	IPC hardware only									
i5	PCI × 2	Win10-Professional								
		IPC hardware only								
	PCI × 1 + PCIe16 × 1	Win10-Professional								
		IPC hardware only								
	PCI × 2	Win10-Professional								
		IPC hardware only								
PCI × 1 + PCIe16 × 1	Win10-Professional									
	IPC hardware only									
i7	PCI × 2	Win10-Professional								
		IPC hardware only								
	PCI × 1 + PCIe16 × 1	Win10-Professional								
		IPC hardware only								
	PCI × 2	Win10-Professional								
		IPC hardware only								
PCI × 1 + PCIe16 × 1	Win10-Professional									
	IPC hardware only									

Model Information

Advance Type / Standard Type



Professional Type







Smarter. Greener. Together.

Industrial Automation Headquarters

Delta Electronics, Inc.

Taoyuan Technology Center
No.18, Xinglong Rd., Taoyuan District,
Taoyuan City 33068, Taiwan

TEL: 886-3-362-6301 / FAX: 886-3-371-6301

Asia

Delta Electronics (Shanghai) Co., Ltd.

No.182 Minyu Rd., Pudong Shanghai, P.R.C.
Post code : 201209
TEL: 86-21-6872-3988 / FAX: 86-21-6872-3996
Customer Service: 400-820-9595

Delta Electronics (Japan), Inc.

Tokyo Office
Industrial Automation Sales Department
2-1-14 Shibadaimon, Minato-ku
Tokyo, Japan 105-0012
TEL: 81-3-5733-1155 / FAX: 81-3-5733-1255

Delta Electronics (Korea), Inc.

Seoul Office
1511, 219, Gasan Digital 1-Ro., Geumcheon-gu,
Seoul, 08501 South Korea
TEL: 82-2-515-5305 / FAX: 82-2-515-5302

Delta Energy Systems (Singapore) Pte Ltd.

4 Kaki Bukit Avenue 1, #05-04, Singapore 417939
TEL: 65-6747-5155 / FAX: 65-6744-9228

Delta Electronics (India) Pvt. Ltd.

Plot No.43, Sector 35, HSIIDC Gurgaon,
PIN 122001, Haryana, India
TEL: 91-124-4874900 / FAX : 91-124-4874945

Delta Electronics (Thailand) PCL.

909 Soi 9, Moo 4, Bangpoo Industrial Estate (E.P.Z),
Pattana 1 Rd., T.Phraksa, A.Muang,
Samutprakarn 10280, Thailand
TEL: 66-2709-2800 / FAX : 662-709-2827

Delta Energy Systems (Australia) Pty Ltd.

Unit 20-21/45 Normanby Rd., Notting Hill Vic 3168, Australia
TEL: 61-3-9543-3720

Americas

Delta Electronics (Americas) Ltd.

Raleigh Office
P.O. Box 12173, 5101 Davis Drive,
Research Triangle Park, NC 27709, U.S.A.
TEL: 1-919-767-3813 / FAX: 1-919-767-3969

Delta Greentech (Brasil) S/A

São Paulo Office
Rua Itapeva, 26 – 3º Andar - Bela Vista
CEP: 01332-000 – São Paulo – SP - Brasil
TEL: 55-11-3530-8642 / 55-11-3530-8640

Delta Electronics International Mexico S.A. de C.V.

Mexico Office
Vía Dr. Gustavo Baz No. 2160, Colonia La Loma,
54060 Tlalnepanitla Estado de Mexico
TEL: 52-55-2628-3015 #3050/3052

EMEA

Headquarters: Delta Electronics (Netherlands) B.V.

Sales: Sales.IA.EMEA@deltaww.com
Marketing: Marketing.IA.EMEA@deltaww.com
Technical Support: iatechnicalsupport@deltaww.com
Customer Support: Customer-Support@deltaww.com
Service: Service.IA.emea@deltaww.com
TEL: +31(0)40 800 3800

BENELUX: Delta Electronics (Netherlands) B.V.

De Witbogt 20, 5652 AG Eindhoven, The Netherlands
Mail: Sales.IA.Benelux@deltaww.com
TEL: +31(0)40 800 3800

DACH: Delta Electronics (Netherlands) B.V.

Coesterweg 45, D-59494 Soest, Germany
Mail: Sales.IA.DACH@deltaww.com
TEL: +49(0)2921 987 0

France: Delta Electronics (France) S.A.

ZI du bois Challand 2, 15 rue des Pyrénées,
Lisses, 91090 Evry Cedex, France
Mail: Sales.IA.FR@deltaww.com
TEL: +33(0)1 69 77 82 60

Iberia: Delta Electronics Solutions (Spain) S.L.U

Ctra. De Villaverde a Vallecas, 265 1º Dcha Ed.
Hormigueras – P.I. de Vallecas 28031 Madrid
TEL: +34(0)91 223 74 20

Carrer Llacuna 166, 08018 Barcelona, Spain

Mail: Sales.IA.Iberia@deltaww.com

Italy: Delta Electronics (Italy) S.r.l.

Ufficio di Milano Via Senigallia 18/2 20161 Milano (MI)
Piazza Grazioli 18 00186 Roma Italy
Mail: Sales.IA.Italy@deltaww.com
TEL: +39 02 64672538

Russia: Delta Energy System LLC

Vereyskaya Plaza II, office 112 Vereyskaya str.
17 121357 Moscow Russia
Mail: Sales.IA.RU@deltaww.com
TEL: +7 495 644 3240

Turkey: Delta Greentech Elektronik San. Ltd. Sti. (Turkey)

Şerifaii Mah. Hendem Cad. Kule Sok. No:16-A
34775 Ümraniye – İstanbul
Mail: Sales.IA.Turkey@deltaww.com
TEL: + 90 216 499 9910

GCC: Delta Energy Systems AG (Dubai BR)

P.O. Box 185668, Gate 7, 3rd Floor, Hamarain Centre
Dubai, United Arab Emirates
Mail: Sales.IA.MEA@deltaww.com
TEL: +971(0)4 2690148

Egypt + North Africa: Delta Electronics

511 Cairo Business Plaza, North 90 street,
New Cairo, Cairo, Egypt
Mail: Sales.IA.MEA@deltaww.com