

Vertical Market Focus

Automation



Machine Vision

Machine vision technology is increasingly being used in industrial automation. Arestech's machine vision solution is used by industry leaders in factory automation, process control, electronics and pharmaceutical packaging, semiconductor inspection, and robotics.



Factory Automation

Factory automation is becoming more reliable and efficient. Arestech offers PC-based control systems and information technologies for factory automation. These solutions aim to optimize productivity in the production of goods and the delivery of services.



Machine Automation

The biggest challenge for machine builders is reducing risks throughout the product development cycle. Arestech provides PC-based automation that can play a significant role in reducing risks associated with many of the development issues confronted in machine design.

Medical



Medical Imaging

Intuitive interfaces with EMR systems achieve efficient management. Hospitals deploying digital technologies can save money, increase safety, reduce risk and provide more efficient care to patients.



Medical HMI

Arestech offers multi-touch interfaces that help users with x-ray film cutting and image transmission. This helps doctors easily introduce detailed 2D and 3D pictures of internal organs and tissues with a more complex image processing intensive monitor.



Patient Infotainment

The all-in-one bedside terminal makes hospital stays easier by offering more multimedia entertainment and communication choices. Patients can make use of infotainment terminal services including web surfing, listening to music, watching video on demand and more.

Retail



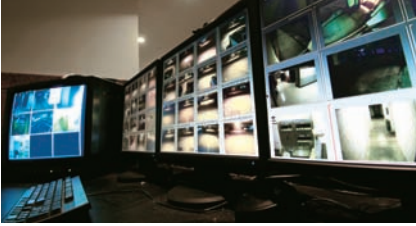
Self-service

Arestech offers comprehensive solutions for self-service and interactive kiosks. Arestech provides touch panel solutions, including 10" to 18" panels in open frame and panel type. The one-stop-shopping solution of Arestech is the best choice for self-service equipment.



Digital Signage

More retailers are using large displays to demonstrate products, or show graphics and videos to customers. Arestech's Box PC-5000 series uses powerful AMD display technology to satisfy market demands for both a reliable player and supporting premium graphic performance.



Digital Video Surveillance

Many governments around the world have adopted this cost effective public safety strategy. Arestech's IP-based high quality (H.264) video surveillance solutions offer ease of deployment and faster video transmission rates that go a long way in helping keep cities safer for their citizens.

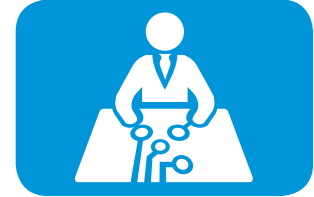
About Arestech

Arestech, founded in 2010, employs a highly talented R&D team with over a decade of product development experience in intelligent embedded computing.

With our dynamic expertise in the embedded market, Arestech offers a full range of intelligent systems, including embedded Box PCs, industrial multi-touch displays and multi-touch Panel PCs.

Arestech's dedication to product development is matched by its commitment to world class customer support with a minimum 5-year product lifecycle plan, product longevity, and added value for our partners.

Additionally, Arestech strategically aligns itself with key industry software and system integration partners to deliver top-notch design services and turnkey solutions, enabling our partners to better build and grow their businesses.



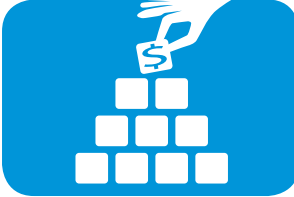
Highly Talented
Embedded R&D Team



5-Year Product
Life Cycle Plan



Product Longevity



Creating Added
Value for Partners

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Arestech
Embedded & Automation Solutions

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Your Best Partner
for Embedded Applications

Arestech
Embedded & Automation Solutions

Embedded Box PC - BPC 3000 & 5000 Series

- Rugged, robust, fanless and energy-saving design
- -20 ~ 60° C operating temperature
- Excellent thermal design, low surface temperature
- Multiple I / O ports



Specifications

Model	BPC-3020	BPC-5010	BPC-5020	BPC-5020-8COM	BPC-5050-A1E	BPC-5050-4LAN
CPU	Intel® Atom™ Dual-Core processor N2600 1.6 GHz	Intel® Atom™ Dual Core processor D2550 1.86 GHz	Intel® Atom™ Dual-Core processor D2550 1.86 GHz		Intel® Core™ i3 3217UE 1.66 GHz Intel® Core™ i7 3555LE 2.5 GHz	Intel Core™ i7 3555LE 2.5 GHz
Memory	Up to 2 GB DDR3 800 MHz (204-pin)	Up to 4 GB DDR3 1066 MHz (204-pin)	Up to 4 GB DDR3 1066 MHz (204-pin)		Up to 8 GB DDR3 1333/1600 MHz (204-pin)	
I/O ports	6 x USB 2.0 2 x RS-232 2 x Realtek 8111E GbE LAN port 1 x HDMI 1 x VGA Line out only	6 x USB 2.0 2 x RS-232 2 x RS-232/422/485 2 x Intel® 82583V GbE LAN port 1 x HDMI 1 x VGA Audio	6 x USB 2.0 2 x RS-232 2 x RS-232/422/485 2 x Intel® 82583V GbE LAN port 1 x HDMI 1 x VGA Audio	4 x USB 2.0 2 x RS-232 6 x RS-232/422/485 2 x Intel® 82583V GbE LAN port 1 x HDMI 1 x VGA	2 x USB 3.0 4 x USB 2.0 1 x RS-232 1 x RS-232/422/485 2 x Intel® 82579LM / 82583V GbE LAN port 1 x HDMI 1 x VGA Audio	2 x USB 3.0 2 x USB 2.0 1 x RS-232 1 x RS-232/422/485 4 x Intel® 82579LM / 82583V GbE LAN port 1 x HDMI 1 x VGA
CfAst slots	N/A	1	1		N/A	
Storage	1 x Internal 2.5" HDD / SSD (optional)	mSATA only (Mini PCIe interface)	1 x Internal 2.5" HDD / SSD 1 x mSATA (optional)	1 x Internal 2.5" HDD / SSD	1 x Internal 2.5" HDD / SSD 1 x mSATA (optional) 1 x full-size Mini PCIe / 1 x half-size Mini PCIe	1 x Internal 2.5" HDD / SSD
Expansion slots	1 x Mini PCIe for WLAN	N/A	1 x full-size Mini PCIe		N/A	1 x half-size Mini PCIe
Power Input Voltage	12 V DC input					
Power Type	ATX	AT / ATX	AT / ATX		AT / ATX	
Power Consumption (Typical)	0.73 A @ 12 V (8.76 W)	0.7 A @ 12 V (8.35 W)	1.029 A @ 12 V (12.35 W)	1.08 A @ 12 V (13 W)	Intel Core™ i3, 2.024 A @ 12 V (24.29 W) Intel Core™ i7, 2.896 A @ 12 V (34.75 W)	Intel Core™ i7, 3.13 A @ 12 V (37.5 W)
Operating Temp.	0~40° C (32~104° F)		-20 ~ 60° C (-4 ~ 140° F)			
Dimensions (W x H x D)	210 x 41 x 133 mm (8.27" x 1.61" x 5.24")	238 x 55 x 165 mm (9.37" x 2.16" x 6.5")	238 x 55 x 245 mm (9.37" x 2.16" x 9.64")		238 x 55 x 245 mm (9.37" x 2.16" x 9.64")	
Weight	1 kg (2.2 lb)	1.7 kg (3.74 lb)	3.0 kg (6.6 lb)		3.5 kg (7.7 lb)	
Operating System	Win XP / 7 / 8, WES 7 / 8					

Industrial Multi-touch Display - TPM 3000 Series

- LED backlight provides 20~30% power savings
- Projected capacitive multi-touch screen
- Window 8 / 7 Touch support
- Surface hardness up to 7 Mohs



Specifications

Model	TPM-3210P/R	TPM-3212P/R	TPM-3215P/R	TPM-3217P/R	TPM-3218	TPM-3221
Type	SVGA LED LCD	SVGA LED LCD	XGA LCD	SXGA LED LCD	HD LED LCD	FHD LED LCD
Size	10.4"	12.1"	15"	17"	18.5"	21.5"
Resolution	800 x 600	800 x 600	1024 x 768	1280 x 1024	1366 x 768	1920 x 1080
Viewing Angle	80 x 80 (H), 60 x 70 (V)	80 x 80 (H), 65 x 75 (V)	80 x 80 (H), 80 x 80 (V)	85 x 85 (H), 80 x 85 (V)	85 x 85 (H), 80 x 80 (V)	85 x 85 (H), 80 x 80 (V)
Brightness	230 (cd/m2)	450 (cd/m2)	250 (cd/m2)	350 (cd/m2)	250 (cd/m2)	250 (cd/m2)
Color Support	16.2 M / 262 K	16.2M / 262 K	16.7 M	16.7 M	16.7 M	16.7 M
Backlight Life	50,000 hrs					
Input Interface	VGA				VGA / DVI / HDMI	
Touch Type	Projected Capacitive / 5-Wire Resistive	Projected Capacitive / 5-Wire Resistive	Projected Capacitive / 5-Wire Resistive	Projected Capacitive / 5-Wire Resistive	Projected Capacitive	Projected Capacitive
Touch Interface	USB / RS-232	USB / RS-232	USB / RS-232	USB / RS-232	USB	USB
Power Input Voltage	12~24 V DC input	12~24 V DC input	12~24 V DC input	12~24 V DC input	12 V DC input	12 V DC input
Power Consumption (Typical)	3.5 W	6.8 W	10.1 W	22 W	9 W	15.5 W
Front Panel Protection	IP54					
Operating Temp.	-20~60° C (-4~140° F)	-20~60° C (-4~140° F)	0~50° C (32~122° F)	-20~60° C (-4~140° F)	0~50° C (32~122° F)	0~50° C (32~122° F)
Dimensions (W x H x D)	281.6 x 222.6 x 35.3 mm (11.08" x 8.76" x 1.38")	319.6 x 253.6 x 36.8 mm (12.58" x 9.98" x 1.45")	364.6 x 290.6 x 36 mm (14.35" x 11.44" x 1.41")	411.4 x 337.5 x 40.0 mm (16.19" x 13.28" x 1.57")	488.8 x 284.2 x 42.8 mm (19.24" x 11.19" x 1.69")	558.1 x 323.8 x 42.8 mm (21.97" x 12.74" x 1.68")
Weight	1.8 kg (3.96 lb)	2.63 kg (5.8 lb)	3.7 kg (8.14 lb)	4.82 kg (10.6 lb)	5.0 kg (11.01 lb)	4.95 kg (10.89 lb)
Operating System	Win 2000 / CE / XP / 7, Linux Fedora / Ubuntu , WES 7 / 8				Single-touch: Win XP; Multi-touch: Win 7, WES 7 / 8	

Multi-touch Panel PC - PPC 100 & 300 Series

- Support high performance Intel Core i & high C / P ratio Atom CPU
- Capacitive multi-touch Panel PC
- Fanless design, compact size with PCI / PCIe
- Front sealed panel design provides IP54 protection



Specifications

Model	PPC-100P/R	PPC-120P/R	PPC-150P/R	PPC-170P/R	PPC-321P	
CPU	Intel® Atom™ D2550 1.86 GHz	Intel® Atom™ D2550 1.86 GHz	Intel® Atom™ D2550 1.86 GHz	Intel® Atom™ D2550 1.86 GHz	Intel® Core™ i7-3610QE	Intel® Celeron 1020E
					Intel® Core™ i5 3610ME	
	Intel® Core™ i3 3120ME					
Memory	Up to 4 GB DDR3 1066 MHz (204-pin)	Up to 4 GB DDR3 1066 MHz (204-pin)	Up to 4 GB DDR3 1066 MHz (204-pin)	Up to 4 GB DDR3 1066 MHz (204-pin)	Up to 16 GB DDR3 1333 / 1600 MHz (204-pin)	
Type	SVGA LED LCD	SVGA LCD	XGA LCD	SXGA LCD	FHD LCD	
Size	10.4"	12.1"	15"	17"	21.5"	
Resolution	800 x 600	800 x 600	1024 x 768	1280 x 1024	1920 x 1080	
Viewing Angle	80 x 80 (H), 70 x 70 (V)	80 x 80 (H), 65 x 75 (V)	80 x 80 (H), 80 x 80 (V)	80 x 80 (H), 60 x 80 (V)	85 x 85 (H), 80 x 80 (V)	
Brightness	230 (cd/m2)	450 (cd/m2)	250 (cd/m2)	350 (cd/m2)	250 (cd/m2)	
Color Support	16.2 M	16.2 M	16.7 M	16.2 M	16.2 M	
Backlight Life	50,000 hrs					
Touch Type	Projected Capacitive / 5-Wire Resistive	Projected Capacitive / 5-Wire Resistive	Projected Capacitive / 5-Wire Resistive	Projected Capacitive / 5-Wire Resistive	Projected Capacitive	
I/O ports	4 x USB 2.0 1 x RS-232 2 x RS-232/422/485	4 x USB 2.0 2 x RS-232 2 x RS-422/485	4 x USB 2.0 2 x RS-232 2 x RS-422/485	4 x USB 2.0 2 x RS-232 2 x RS-422/485	4 x USB 3.0 2 x RS-232 2 x RS-422/485	
	1 x VGA 1 x HDMI 2 x GbE Audio	1 x VGA 1 x HDMI 2 x GbE Audio	1 x VGA 1 x HDMI 2 x GbE Audio	1 x VGA 1 x HDMI 2 x GbE Audio	1 x VGA 1 x HDMI 2 x GbE Audio	
	Full-size Mini PCIe				2 x PCI, 1 x Mini PCIe	
CFast slots	1	1	1	1	N/A	
Storage	1 x Internal 2.5" HDD / SSD, 1 x mSATA (shared with Mini PCIe slot)					
Power Input Voltage	12 V DC input					
Power Consumption (Typical)	1.36 A @ 12 V (16.35 W)	1.64 A @ 12 V (19.65 W)	1.913 A @ 12 V (22.95 W)	2.9 A @ 12 V (34.85 W)	Intel® Core™ i7, 5.1 A @ 12 V (61 W) Intel® Core™ i5, 3.7 A @ 12 V (44.3 W) Intel® Core™ i3, 3 A @ 12 V (35.9 W)	2.91 A @ 12 V (35 W)
Front Panel Protection	IP54					
Operating Temp.	-20~60° C (-4~140° F)	-20~60° C (-4~140° F)	0~50° C (32~122° F)	-20~60° C (-4~140° F)	0~50° C (122° F)	
Dimensions (W x H x D)	281.6 x 222.6 x 59.2 mm (11.08" x 8.76" x 2.32")	319.6 x 253.6 x 59.7 mm (12.58" x 9.98" x 2.35")	364.6 x 290.6 x 58.9 mm (14.35" x 11.44" x 2.32")	411.4 x 337.5 x 69.5 mm (16.2" x 13.29" x 2.74")	558.1 x 323.8 x 94 mm (21.97" x 12.75" x 3.7")	
Weight	1.83 kg (4.02 lb)	3.32 kg (7.30 lb)	4.37 kg (9.6 lb)	6.58 kg (14.48 lb)	12.14kg (26.71lb)	
Operating System	Win XP / 7, WES 7 / 8					