

Avalue Technology

2009

Flexible Panel PC – 15"~22"W Series

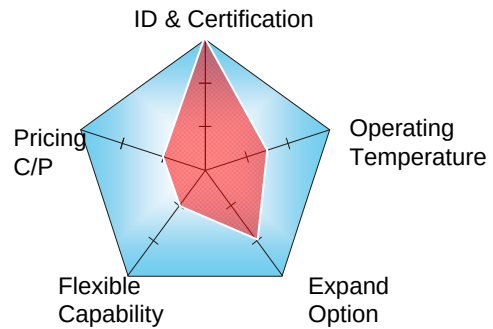
eService Platform Div

by Vicky Lin

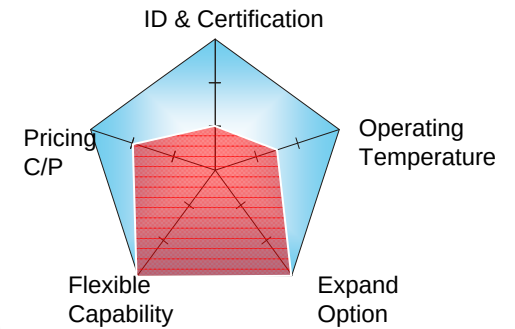


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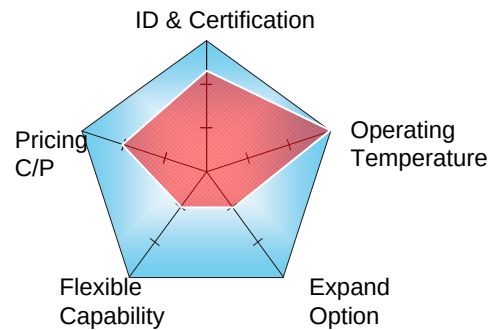
Product Line



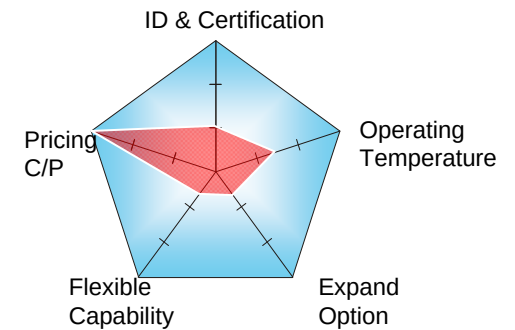
MTP & VTP series



FPC series



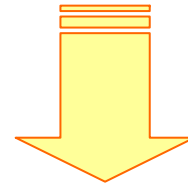
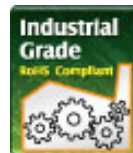
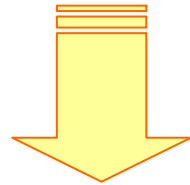
LPC series



PPC series

Overview

Ideal for Today's Fast Growing
Widescreen Presentation
Application



Kiosk



Digital Signage



Avalue's FPC Series

Target Application

Focus in Common...

- ❖ *Total Solution*
- ❖ *Flexible Specs & Module*
- ❖ *Fast Sample Delivery*
- ❖ *CE/FCC, IP65 (Front)*



Photo Kiosk



Kiosk



Electronic Payment



Electronic Ticketing System



Digital Signage



VOIP KIOSK



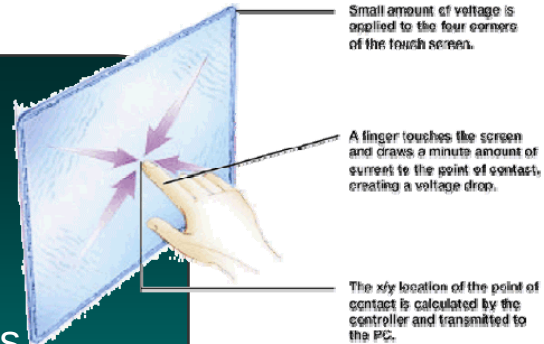
Music Terminal



Display

Resistive Touch

- 5 wires resistive touch
- High accuracy & durability
- Not activated by foreign objects
- Requires direct finger contact



Display Solution

15", 4:3
1024x768

17", 4:3
1280x1024

15.4", 16:10
1280x800

17", 16:10
1440x900

22", 16:10
1680x1050



Human Machine Interface

Network

Networking for Data Transfer



High Speed WiFi 802.11 b/g

	802.11b	802.11g
Data Rate (Mbps)	11	54
Range (Indoor)	38 Meters	38 Meters
Radio Frequency	2.4~2.5GHz	2.4~2.5GHz

Gigabit Ethernet

- 1K Mbps bandwidth
- Facilitates delivery of multimedia content
- Faster S/W update & System Recover



Multiple I/O



Fixed

2 x USB

Floated

2 x COM

1 x PCI

2 x COM

4 x USB

1 x KB
1 x MS

1 x DVI

1 x CRT

1 or 2 x LAN

Flexible Choices



EMX-GME965



EMX-910GML



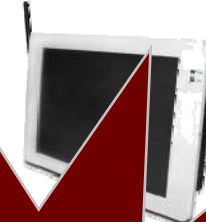
EMX-945GME3



Sharing Same Chassis



15" XGA Panel



15" WXGA Panel



**All Mini-ITX
Motherboard
Adaptable**



22" WXGA Panel



17" WXGA Panel

And more...

FPC Series Roadmap

■ Available
■ Developing
■ Planning

FPC-22Wx series

FPC-22W01

22" Wide, WSXGA+ Touch panel
 Intel **945GM**, DDR2, VGA, DVI, 3COM, 6USB
 AC in, 6W SPK, PCI expansion

FPC-22W02

22" Wide, WSXGA+ Touch panel
 Intel **GM965**, DDR2, VGA, DVI, 3COM, 6USB
 AC in, 6W SPK, PCI expansion

1680x1050

FPC-17x series

FPC-1701

17" SXGA Touch panel
 Intel **945GM**, DDR2, VGA, DVI, 3COM, 6USB
 AC in, 6W SPK, PCI expansion

FPC-1702

17" SXGA Touch panel
 Intel **GM965**, DDR2, VGA, DVI, 3COM, 6USB
 AC in, 6W SPK, PCI expansion

FPC-1703

17" SXGA Touch panel
 Intel **CM 900 MHz, 910GML**, DDR2, VGA, DVI,
 3COM, 6USB, AC in, 6W SPK, PCI expansion

FPC-17W01

17" Wide, WXGA Touch panel
 Intel **945GM**, DDR2, VGA, DVI, 3COM, 6USB
 AC in, 6W SPK, PCI expansion

FPC-17W02

17" Wide, WXGA Touch panel
 Intel **GM965**, DDR2, VGA, DVI, 3COM, 6USB
 AC in, 6W SPK, PCI expansion

FPC-17W03

17" Wide, WXGA Touch panel
 Intel **CM 900 MHz, 910GML**, DDR2, VGA, DVI,
 3COM, 6USB, AC in, 6W SPK, PCI expansion

1280x1024

1440x900

FPC-15x series

FPC-1501

15" XGA Touch panel
 Intel **945GM**, DDR2, VGA, DVI, 3COM, 6USB
 AC in, 6W SPK, PCI expansion

FPC-1502

15" XGA Touch panel
 Intel **GM965**, DDR2, VGA, DVI, 3COM, 6USB
 AC in, 6W SPK, PCI expansion

FPC-1503

15" XGA Touch panel
 Intel **CM 900 MHz, 910GML**, DDR2, VGA, DVI,
 3COM, 6USB, AC in, 6W SPK, PCI expansion

FPC-15W01

15" Wide, WXGA Touch panel
 Intel **945GM**, DDR2, VGA, DVI, 3COM, 6USB
 AC in, 6W SPK, PCI expansion

FPC-15W02

15" Wide, WXGA Touch panel
 Intel **GM965**, DDR2, VGA, DVI, 3COM, 6USB
 AC in, 6W SPK, PCI expansion

FPC-15W03

15" Wide, WXGA Touch panel
 Intel **CM 900 MHz, 910GML**, DDR2, VGA, DVI,
 3COM, 6USB, AC in, 6W SPK, PCI expansion

1024x768

1280x800

Now

H1' 09

H2' 09



Specifications

AHiS Series	FPC-1501	FPC-1502	FPC-1503	FPC-1701	FPC-1702	FPC-1703
	15" XGA TFT Touch Panel PC			17" SXGA TFT Touch Panel PC		
Panel						
LCD size	15.0", 4:3			17.0", 4:3		
Display type	XGA TFT			SXGA TFT		
Resolution	1024x768			1028 x 1024		
Color	16 Million			16 Million		
Pixel pitch	0.297mm(H) x 0.297mm(V)			0.264mm(H) x 0.264mm(V)		
Luminance	260 cd/m ²			300 cd/m ²		
Contrast ratio	560			400		
Viewing angle	45(U), 55(D), 60(L), 50(R)			60(U), 55(D), 60(L), 50(R)		
Response time	8 ms			16 ms		
Backlight	2 x CCFL			4 x CCFL		
Touch Type	5 Wires resistive			5 Wires resistive		
Touch Light Transmissio	80%			80%		
Touch Interface	RS-232			RS-232		
System						
Board	EMX945GM3	EMX965GME	EMX910GMLE-C9E	EMX945GM3	EMX965GME	EMX910GMLE-C9E
CPU	Supports Intel µFC-PGA Core™ Duo/Core™ Solo/Core™2 Duo with 65nm process technology	Supports Intel® socket P Core™ Duo /Core™ Solo/Core™2 Duo with 65nm process technology	Onboard Intel uFC-BGA 479 Celeron M 900MHz w/512K 2nd Level Cache with 90nm process	Supports Intel µFC-PGA Core™ Duo/Core™ Solo/Core™2 Duo with 65nm process technology	Supports Intel® socket P Core™ Duo /Core™ Solo/Core™2 Duo with 65nm process technology	Onboard Intel uFC-BGA 479 Celeron M 900MHz w/512K 2nd Level Cache with 90nm process
Cooling method	Active CPU cooler	Active CPU cooler	Passive CPU heatsink	Active CPU cooler	Active CPU cooler	Passive CPU heatsink
BIOS	Award 1 MB Flash BIOS	Award 2 MB SPI ROM	Award 512 KB Flash BIOS	Award 1 MB Flash BIOS	Award 2 MB SPI ROM	Award 512 KB Flash BIOS
System Chipset	Intel®82945GME GMCH / ICH7-M	Intel® GME965 GMCH / ICH8-M	Intel 82910GMLE GMCH / ICH8-M	Intel®82945GME GMCH / ICH7-M	Intel® GME965 GMCH / ICH8-M	Intel 82910GMLE GMCH / ICH8-M
I/O Chip	Winbond W83627DHG-A	Winbond W83627DHG-A	Winbond W83627DHG-A	Winbond W83627DHG-A	Winbond W83627DHG-A	Winbond W83627DHG-A
Memory	Two 240-pin DIMM socket supports up to 4GB DDR2 533/667 SDRAM	Two 200-pin SODIMM socket supports up to 4GB DDR2 533/667 SDRAM	Two 240-pin DIMM socket supports up to 2 GB DDR2 400 SDRAM	Two 240-pin DIMM socket supports up to 4GB DDR2	Two 200-pin SODIMM socket supports up to 4GB DDR2	Two 240-pin DIMM socket supports up to 2 GB DDR2 400 SDRAM
SSD	One CompactFlash Type I/II socket (Highly recommended purchase from Avalue)					
HDD Drive Bay	1 x 3.5" SATA or 1 x 2.5" SATA					
Expansion Slot	1 x PCI slot					
Rear panel I/O						
Serial Port	3 x RS-232 COM ports					
Ethernet	1 x LAN ports (Realtek Giga LAN)	2 x LAN ports (Realtek Giga LAN)	1 x LAN ports (Realtek Giga LAN)	1 x LAN ports (Realtek Giga	2 x LAN ports (Realtek Giga	1 x LAN ports (Realtek Giga LAN)
WIFI	Optional USB WIFI 802.11 b/g (occupy one USB port)					
VGA	1 x DB-15					
DVI	1 x DVI					
Audio	Line out, Line in, Mic in					
USB	6 x USB 2.0 (optional extra 2 USB ports by request)					
Speaker	2W X 2					
Mouse & KB	1 x PS/2 Keyboard connector					
Mechanical & Environme						
System Fan	1 x System Fan					
Color	Front panel Silver Rear panel Black					
Power input	100-240 VAC (150 W)					
Operating temperature	0°C to 40°C.					
Storage temperature	-10°C to 50°C.					
Relative humidity	10% to 95% @ 40°C, non-condensing					
Mounting	Wall/Stand/VESA 75 mm X 75 mm and 100 mm X 100 mm					
Dimensions	382mm X 280 mm X 89.15 mm					
Weight	6.8 kgs / 15 lbs					



Specifications

AHiS Series	FPC-15W01	FPC-15W02	FPC-15W03	FPC-17W01	FPC-17W02	FPC-17W03
		15.4" WXGA TFT Touch Panel PC			17" WXGA TFT Touch Panel PC	
Panel						
LCD size		15.4", 16:10			17", 16:10	
Display type		WXGA TFT			WXGA TFT	
Resolution		1280 x 800			1440 x 900	
Color		262144			262144	
Pixel pitch		0.255(H) x 0.255(V)			0.255mm(H) x 0.255mm(V)	
Luminance		500cd/m ²			400cd/m ²	
Contrast ratio		800			600	
Viewing angle		40(U), 60(D), 60(L), 60(R)			60(U), 60(D), 70(L), 70(R)	
Response time		5 ms			10 ms	
Backlight		2 x CCFLs			2 x CCFLs	
Touch Type		5 Wires resistive			5 Wires resistive	
Touch Light Transmissio		80%			80%	
Touch Interface		RS-232			RS-232	
System						
Board	EMX945GM3	EMX965GME	EMX910GMLE-C9E	EMX945GM3	EMX965GME	EMX910GMLE-C9E
CPU	Supports Intel µFC-PGA Core™ Duo/Core™ Solo/Core™2 Duo with 65nm process technology	Supports Intel® socket P Core™ Duo /Core™ Solo/Core™2 Duo with 65nm process technology	Onboard Intel uFC-BGA 479 Celeron M 900MHz w/512K 2nd Level Cache with 90nm process	Supports Intel µFC-PGA Core™ Duo/Core™ Solo/Core™2 Duo with 65nm process technology	Supports Intel® socket P Core™ Duo /Core™ Solo/Core™2 Duo with 65nm process technology	Onboard Intel uFC-BGA 479 Celeron M 900MHz w/512K 2nd Level Cache with 90nm process
Cooling method	Active CPU cooler	Active CPU cooler	Passive CPU heatsink	Active CPU cooler	Active CPU cooler	Passive CPU heatsink
BIOS	Award 1 MB Flash BIOS	Award 2 MB SPI ROM	Award 512 KB Flash BIOS	Award 1 MB Flash BIOS	Award 2 MB SPI ROM	Award 512 KB Flash BIOS
System Chipset	Intel®82945GME GMCH / ICH7-	Intel® GME965 GMCH / ICH8-M	Intel 82910GMLE GMCH / ICH6-	Intel®82945GME GMCH / ICH7-M	Intel® GME965 GMCH / ICH8-M	Intel 82910GMLE GMCH / ICH6-M
I/O Chip	Winbond W83627DHG-A	Winbond W83627DHG-A	Winbond W83627DHG-A	Winbond W83627DHG-A	Winbond W83627DHG-A	Winbond W83627DHG-A
Memory	Two 240-pin DIMM socket supports up to 4GB DDR2	Two 200-pin SODIMM socket supports up to 4GB DDR2	Two 240-pin DIMM socket supports up to 2 GB DDR2 400	Two 240-pin DIMM socket supports up to 4GB DDR2 533/667	Two 200-pin SODIMM socket supports up to 4GB DDR2 533/667	Two 240-pin DIMM socket supports up to 2 GB DDR2 400
SSD	One CompactFlash Type I/II socket (Highly recommended purchase from Avalue)			One CompactFlash Type I/II	One CompactFlash Type I/II	One CompactFlash Type I/II
HDD Drive Bay		1 x 3.5" SATA or 1 x 2.5" SATA			1 x 3.5" SATA or 1 x 2.5" SATA	
Expansion Slot		1 x PCI slot			1 x PCI slot	
Rear panel I/O						
Serial Port		3 x RS-232 COM ports			3 x RS-232 COM ports	
Ethernet	1 x LAN ports (Realtek Giga LAN	2 x LAN ports (Realtek Giga LAN	1 x LAN ports (Realtek Giga LAN	1 x LAN ports (Realtek Giga LAN	2 x LAN ports (Realtek Giga LAN	1 x LAN ports (Realtek Giga LAN
WIFI		Optional USB WIFI 802.11 b/g (occupy one USB port)			Optional USB WIFI 802.11 b/g (occupy one USB port)	
VGA		1 x DB-15			1 x DB-15	
DVI		1 x DVI			1 x DVI	
Audio		Line out, Line in, Mic in			Line out, Line in, Mic in	
USB		6 x USB 2.0 (optional extra 2 USB ports by request)			6 x USB 2.0 (optional extra 2 USB ports by request)	
Speaker		2W X 2			2W X 2	
Mouse & KB		1 x PS/2 Keyboard connector			1 x PS/2 Keyboard connector	
Mechanical & Environme						
System Fan		1 x System Fan			1 x System Fan	
Color		Front panel Silver Rear panel Black			Front panel Silver Rear panel Black	
Power input		100-240 VAC (150 W)			100-240 VAC (150 W)	
Operating temperature		0°C to 40°C			0°C to 40°C	
Storage temperature		-10°C to 50°C			-10°C to 50°C	
Relative humidity		10% to 95% @ 40°C, non-condensing			10% to 95% @ 40°C, non-condensing	
Mounting		Wall/Stand/VESA 75 mm X 75 mm and 100 mm X 100 mm			Wall/Stand/VESA 75 mm X 75 mm and 100 mm X 100 mm	
Dimensions		395mm X 260 mm X 77.2 mm			432 mm X 272 mm X 80.7 mm	
Weight		6 kgs / 13 lbs			6.5 kgs / 14.5 lbs	



Specifications

AHIS Series	FPC-22W01	FPC-22W02 22" WSXGA TFT Touch Panel PC	FPC-22W03
Panel			
LCD size		22", 16:10	
Display type		WSXGA TFT	
Resolution		1680 x 1050	
Color		16.7 Million	
Pixel pitch		0.282mm(H) x 0.282mm(V)	
Luminance		300 cd/m ²	
Contrast ratio		700	
Viewing angle		80(T), 80(D), 85(L), 85(R)	
Response time		5 ms	
Backlight		4 x CCFL	
Touch Type		5 Wires resistive	
Touch Light Transmissio		80%	
Touch Interface		RS-232	
System			
Board	EMX945GM3	EMX965GME	EMX910GMLE-C9E
CPU	Supports Intel [®] PFC-PGA Core [™] Duo/Core [™] Solo/Core [™] 2 Duo with 65nm process technology	Supports Intel [®] socket P Core [™] Duo /Core [™] Solo/Core [™] 2 Duo with 65nm process technology	Onboard Intel uFC-BGA 479 Celeron M 900MHz w/512K 2nd Level Cache with 90nm process
Cooling method	Active CPU cooler	Active CPU cooler	Passive CPU heatsink
BIOS	Award 1 MB Flash BIOS	Award 2 MB SPI ROM	Award 512 KB Flash BIOS
System Chipset	Intel [®] 82945GME GMCH / ICH7-M	Intel [®] GME965 GMCH / ICH8-M	Intel 82910GMLE GMCH / ICH6-M
I/O Chip	Winbond W83627DHG-A	Winbond W83627DHG-A	Winbond W83627DHG-A
Memory	Two 240-pin DIMM socket supports up to 4GB DDR2 533/667	Two 200-pin SODIMM socket supports up to 4GB DDR2 533/667	Two 240-pin DIMM socket supports up to 2 GB DDR2 400
SSD	One CompactFlash Type I/II	One CompactFlash Type I/II	One CompactFlash Type I/II
HDD Drive Bay		1 x 3.5" SATA or 1 x 2.5" SATA	
Expansion Slot		1 x PCI slot	
Rear panel I/O			
Serial Port		3 x RS-232 COM ports	
Ethernet	1 x LAN ports (Realtek Giga LAN	2 x LAN ports (Realtek Giga LAN	1 x LAN ports (Realtek Giga LAN
WIFI		Optional USB WIFI 802.11 b/g (occupy one USB port)	
VGA		1 x DB-15	
DVI		1 x DVI	
Audio		Line out, Line in, Mic in	
USB		6 x USB 2.0 (optional extra 2 USB ports by request)	
Speaker		2W X 2	
Mouse & KB		1 x PS/2 Keyboard connector	
Mechanical & Environme			
System Fan		1 x System Fan	
Color		Front panel Silver	
		Rear panel Black	
Power input		100-240 VAC (150 W)	
Operating temperature		0°C to 40°C.	
Storage temperature		-10°C to 50°C.	
Relative humidity		10% to 95% @ 40°C, non-condensing	
Mounting		Wall/Stand/VESA 75 mm X 75 mm and 100 mm X 100 mm	
Dimensions		537 mm X 342 mm X 91.5 mm	
Weight		10.5 kgs / 23 lbs	

Open Frame Available



***Open Frame
Offered by Request***

15", 4:3
1024x768

17", 4:3
1280x1024

15.4", 16:10
1280x800

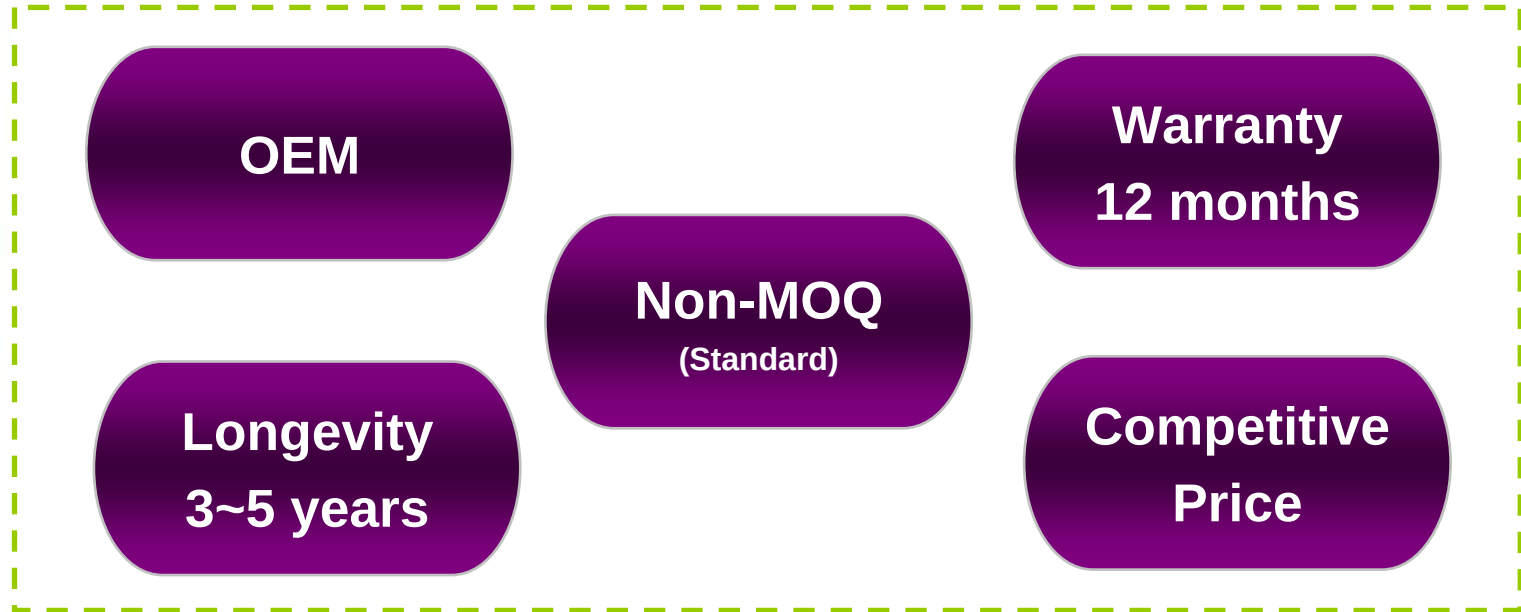
17", 16:10
1440x900

22", 16:10
1680x1050

Wall-Mount Bracket



What We Offer



Short Sample L/T



Options



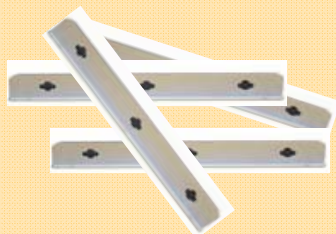
ACC-WIFI-USB-6R



E175X200500R
2W Speaker



GOT Touch Panel



E196215W110R
Side Bracket / pcs



Open Frame



2.5"/3.5" SATA HDD



Operating System



ACC-ARM-D1R/D2R
ACC-ARM-D4R/D8R



ACC-CF-XX

Packing List



40-pin IDE Cable



Screws



CD-Driver



Power Cord-USA



SATA/SATA Power Cable

Naming Rules

AHiS Kiosk / POS System

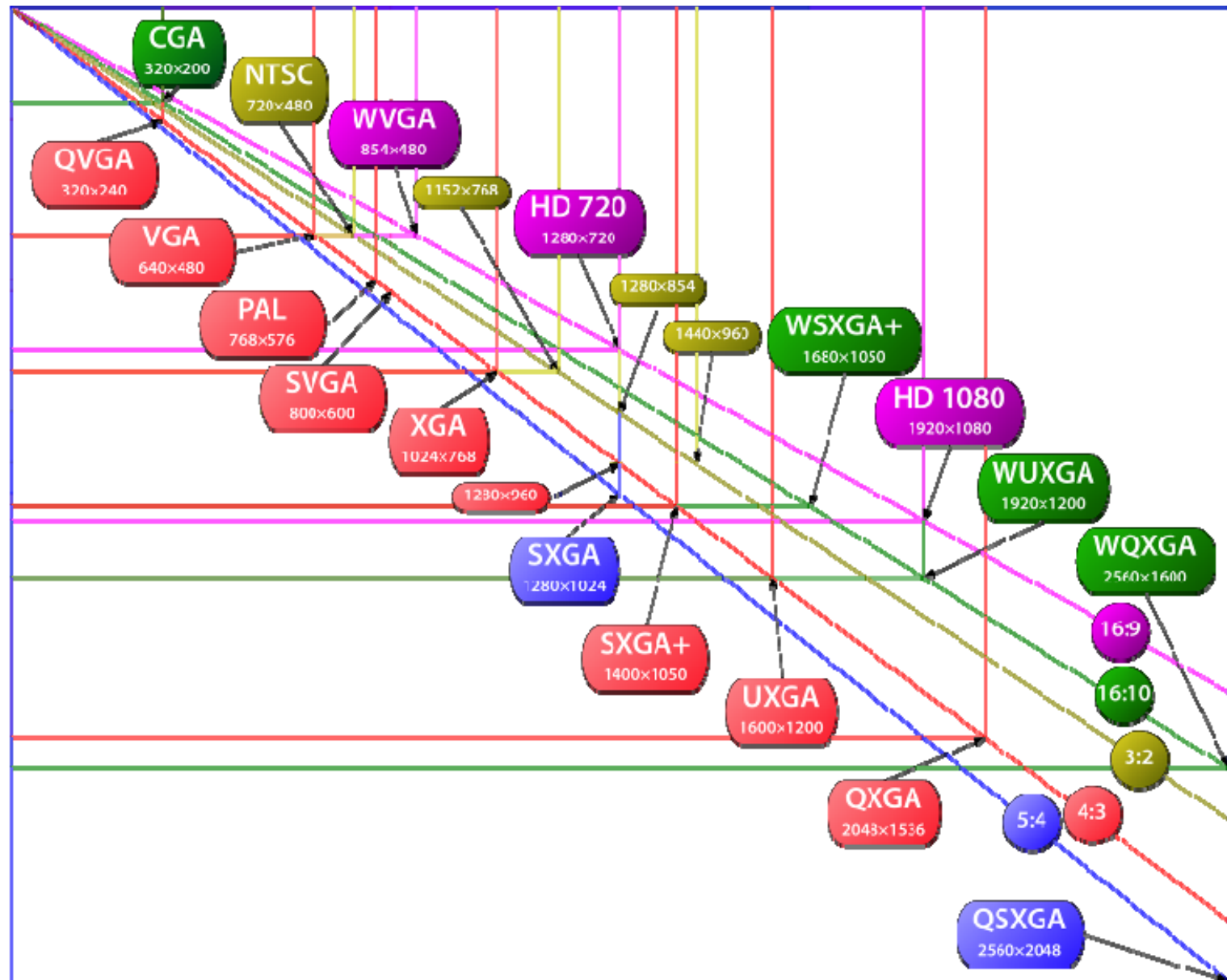
FPC- OFF-	AA	B	CC-	D	E	F	G	H-	I	J
P Line	Panel Size	Panel type	Model	CPU type	HDD type	RAM type	WIFI & S/W	DVD & Speake	Version	RoHS
FPC- Flexible Panel PC OFF- Open Frame Panel PC	10=10.2 12=12.1 13=13.3 14=14.1 15.4=15.17 19 22	W: Wide L: LED backlight Or ignore	V1~9: VIA chipset A1~9: AMD chipset Others: 01~99 series	X: Socket type, no CPU 0: CPU ON BOARD 1: ACC-CPU-1.86-C440 (CELERON M 1.86G/1M) 2: ACC-CPU-2.2-T7500 (Core 2 Due 2.2G/T7500/4M) 3: ACC-CPU-2.00-T2500 (Core Duo 2.00G/T2500) 4: ACC-CPU-2.16-T7400 (Core 2 Due 2.16G/T7400/4M) 5: ACC-CPU-C15 Celeron-M 1.5G A: AMD LX 系列 V: VIA CPU I, O,Q,L reserved	0: No HDD 1: 80G HDD 2: 160G HDD 3: 250G HDD 4: 40G HDD 5: 500G HDD	0: No memory 1: 512M 2: 1GB 3: 2GB 4: 4GB 5: Reserved 6: Reserved (original 2Gx2)	0: No option 1: WIFI 2: Reserved 3: ESW-001 (XP Embedded) 4: WIFI+ ESW-001 C: Windows CE X: Windows XP I, O,Q,L reserved	0: No option 1: DVD ROM 2: Reserved 3: Speaker 4: Card Reader 5: Reader + SPK C: Capacitive Touch G: Glass only (<u>w/o touch</u>) S: SAW touch I, O,Q,L reserved	0: Sample 1~9 reversion	R: RoHS
							-G	HH		
							ODM/OE M	Series number		
							D: ODM E: OEM	01 ~ 99 series		

@value

O/S Support



Resolutions



Avalue Technology

2009

Dedicate to Customer's Success

全心全意 成就客戶



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