

DELTA COMPONENTS - Box-PC's AX-Serie

ISA/PCI Slot CPUs, ISA/PCI Extension-Bus, VIA C3/Eden, Pentium 3, Pentium M



The AX MicroBox is an embedded computer chassis that was designed for different form factor embedded boards. This chassis is perfect for industrial automation, medical, network appliance, surveillance, firewall, gateway, and router markets and applications. The AX MicroBox also features specific I/O requirements for different applications and embedded operating systems pre-installed without porting problems, which all make embedded solutions easier than ever.



Type	AX6033	AX60400	AX60530
Features			
Main Board	Half-size CPU Cards	Half-size CPU Cards	Half-size CPU Cards
CPU	VIA Eden/C3 Intel Celeron Intel Celeron M Pentium M Pentium 3	VIA Eden/C3 Intel Celeron Intel Celeron M Pentium M Pentium 3	VIA Eden/C3 Intel Celeron Intel Celeron M Pentium M Pentium 3
2ndLevel Cache (kByte)	in CPU	in CPU	in CPU
Clock (MHz)	400MHz - 2,0GHz	400MHz - 2,0GHz	
Chipset			
Memory (MB)			
Harddisk	1x 3.5"	1x 3.5"	1x 3.5"
Optical Drive	1x slim CD-ROM drive	n/a	1x CD-ROM drive
Video Controller			
Video Memory			
Video Interfaces			
Resolution			
Keyboard, Mouse	1x PS/2	1x PS/2	1x PS/2
Serial Interface	3x RS-232 1x RS-232/ 422/ 485	3x RS-232 1x RS-232/ 422/ 485	3x RS-232 1x RS-232/ 422/ 485
Parallel Interface	1x LPT	1x LPT	1x LPT
USB	2x V1.1 4x V2.0 option	2x V1.1 4x V2.0 option	2x V1.1 4x V2.0 option
Firewire IEEE1394	n/a	n/a	n/a
IrDA	n/a	n/a	n/a
TV-Input/ Framegrabber	n/a	n/a	n/a
LAN Ports	up to 2x 10/100/1000 Base-T	up to 2x 10/100/1000 Base-T	up to 2x 10/100/1000 Base-T
LAN Boot/ Wake up	yes/ yes	yes/ yes	yes/ yes
Audio Controller	AC 97 (Option)	AC 97 (Option)	n/a
Sound			
Options			
Power Input			
Power Supply Adapter	115/230V AC (auto switching)	115/230V AC (auto switching)	115/230V AC (auto switching)
Expansion	4-slot ISA or PCI Backplane	4-slot ISA or PCI Backplane	6-slot ISA or PCI Backplane
Conformity			
Protection Class			
Dimensions (mm)	160,0 x 275,0 x 185,0	164,0 x 255,0 x 197,0	191,0 x 273,0 x 195,7
Case	heavy-duty cold-rolled steel	heavy-duty cold-rolled steel	heavy-duty cold-rolled steel
Colour	beige (PANTONE 414C)	beige (PANTONE 414C)	beige (PANTONE 414C)
Weight			
Operating Temperature	0°C ~ +45°C	0°C ~ +40°C	0°C ~ +45°C
Storage Temperature			
Operating Humidity	10% ~ 95% relative humidity, non-condensing	10% ~ 95% relative humidity, non-condensing	10% ~ 95% relative humidity, non-condensing
MTBF	100,000h	100,000h	100,000h
Verified Operating System	Windows XP, Windows CE/CE.NET, Linux	Windows XP, Windows CE/CE.NET, Linux	Windows XP, Windows CE/CE.NET, Linux
Cooling	1x ball-bearing fan	1x hot swap ball-bearing fan	1x easy-removable ball bearing fan
Ordering Number	t.b.d.	t.b.d.	t.b.d.

DELTA COMPONENTS - Box-PC's EM-Serie

With fan, PCI and/or PC/104 Extension-Bus, VIA C3/Eden, Pentium 3, Pentium M



The EM MicroBox is an embedded computer chassis that was designed for different form factor embedded boards. This chassis is perfect for industrial automation, medical, network appliance, surveillance, firewall, gateway, and router markets and applications. The EM MicroBox also features specific I/O requirements for different applications and embedded operating systems pre-installed without porting problems, which all make embedded solutions easier than ever.



Type	EM1610S/SA for 5,25" Petit Board	EM60320A for 5,25" Petit Board/STXSoM	EM60320B for 5,25" Petit Board	EM60320C for 5,25" Petit Board	EM1611S for 3,5" Capa Board	EM60321 for 3,5" Capa Board
Main Board	SBC83675 / 83671 / 836A1 / 836A0 / 83810	STB97100 / 97101 SBC83675	SBC83680 / 83683 / 83685	SBC83810 / 836A1 / 836A0 / 83800	SBC84500 / 84510 / 84600 / 84610	SBC84500 / 84510 / 84600
CPU	VIA Eden/C3 Intel Celeron	VIA Eden/C3 Intel Celeron	VIA Eden/C3 Intel Celeron	VIA Eden/C3 Intel Pentium M Intel Celeron M	VIA Eden/C3 Intel Celeron Intel Pentium 3	VIA Eden/C3 AMD Geode
2ndLevel Cache	64/ 128kB	64/ 128kB	64/ 128kB	64/ 512/ 2048kB	64/ 128/ 256kB	64kB/ n/a
Clock	400MHz - 1,3GHz	400MHz - 1,0GHz	400 - 933MHz	400MHz - 1,8GHz	300MHz - 1,0GHz	300MHz - 1,0GHz
Chipset	CLE266 + VT8237 VT 8606 + 686B VT 82C694T + 686B Intel 440BX	VT 8606 + 686B VT 82C694T + 686B Intel 440BX	Intel 815E Intel 440BX	855GME + 6300ESB CLE266 + VT8237	VT 8606 + 686B AMD Geode	VT8606 + 686B AMD Geode
Memory (MB)	256MB/ 512MB/ 1GB	256MB/ 512MB	512MB	1GB	128MB/256MB/512MB/1GB	256MB/ 512MB
Harddisk	1x 2.5"	1x 3.5"	1x 3.5"	1x 3.5"	1x 2.5"	1x 3.5"
Video Memory	0-64MB	0-64MB	0-64MB	0-64MB	0-64MB	8-32MB
Video Interfaces	VGA/CRT	TV-Out VGA/CRT	VGA/CRT	VGA/CRT	VGA/CRT	VGA/CRT
Resolution	1.600 x 1.200	1.024 x 768 1.024 x 768	1.024 x 768	2.048 x 1.536	1.024 x 768	1.024 x 768
Keyboard, Mouse	1x PS/2	1x PS/2	1x PS/2	1x PS/2	1x PS/2	1x PS/2
Serial Interface	3x RS-232 1x RS-232/ 422/ 485	3x RS-232 1x RS-232/ 422/ 485	1x RS-232 1x RS-232/ 422/ 485	3x RS-232 1x RS-232/ 422/ 485	3x RS-232 1x RS-232/ 422/ 485	3x RS-232 1x RS-232/ 422/ 485
Parallel Interface	1x LPT	1x LPT	1x LPT	1x LPT	1x LPT	1x LPT
USB	2x V1.1 4x V2.0	2x V1.1 4x V2.0	2x V1.1 2x V1.0	4x V2.0	2x V1.1	2x V1.1 2x V1.0
Firewire IEEE1394	n/a	n/a	n/a	n/a	n/a	n/a
IrDA	yes	yes	yes	yes	yes	yes
TV-Input/ Framegrabber	n/a	n/a	n/a	n/a	n/a	n/a
LAN Ports	1x 10/ 100/ 1000 Base-T	1x 10/ 100 Base-T	1x 10/ 100 Base-T	1x 10/ 100/ 1000 Base-T	1x 10/ 100 Base-T	1x 10/ 100 Base-T
LAN Boot/Wake up	n/a	n/a	n/a	n/a	n/a	n/a
Audio Controller	AC'97	AC'97 or ESS ES1938 32 bit Sound Blaster	AC'97 or ESS ES1938 32 bit Sound Blaster	AC'97	AC'97	AC-link interface for external AC'97
Sound		(yes option)	(yes option)	(yes option)	(yes option)	yes
Power Input	100 - 240V AC auto 9 - 18V DC 18 - 36V DC 36 - 72V DC	100 - 240V AC auto	100 - 240V AC auto	100 - 240V AC auto	100 - 240V AC auto 9 - 18V DC 18 - 36V DC 36 - 72V DC	100 - 240V AC auto 9 - 18V DC 18 - 36V DC 36 - 72V DC
Power Supply Adapter						
Expansion		2x PCI	2x PCI	2x PCI PC/104		1x 16bit PC/104
Power Saving						CE
Conformity	CE	CE	CE	CE	CE	
Protection class						225,0 x 225,0 x 88,0
Dimensions (mm)	316,0 x 225,0 x 51,0	335,0 x 250,0 x 88,0	335,0 x 250,0 x 88,0	335,0 x 250,0 x 88,0	225,0 x 225,0 x 51,0	heavy-duty cold-rolled steel silver
Case	heavy-duty cold-rolled steel	heavy-duty cold-rolled steel	heavy-duty cold-rolled steel	heavy-duty cold-rolled steel	heavy-duty cold-rolled steel	
Colour	silver	silver	silver	silver	silver	
Weight						0°C - +50°C
Operating Temperature	0°C - +50°C	0°C - +45°C	0°C - +45°C	0°C - +45°C	0°C - +50°C	
Storage Temperature						10% - 95% relative humidity non-condensing
Operating Humidity	10% - 95% relative humidity non-condensing	10% - 95% relative humidity non-condensing	10% - 95% relative humidity non-condensing	10% - 95% relative humidity non-condensing	10% - 95% relative humidity non-condensing	50.000 - 100.000h
MTBF	50.000h	100.000h	100.000h	100.000h	50.000 - 100.000h	Windows CE/ Windows XP
Verified Operating System	Windows CE / Windows XP	Windows CE / Windows XP	Windows CE / Windows XP	Windows CE / Windows XP	Windows CE / Windows XP	Windows CE / Windows XP
Cooling	2x system fan	1x system fan	1x system fan	1x system fan	1x system fan	1x system fan
Ordering Number	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.

Box-PC's EM-Serie

DELTA COMPONENTS - Box-PC's EM-Serie

With fan, PCI and/or PC/104 Extension-Bus, VIA C3/Eden, Pentium 3, Pentium M



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Type	EM60320I for Mini ITX	EM60320I-CF for Mini ITX	EM60322 for Mini ITX	EM60320D for Half-Sized CPU Card	EM60320E for Half-Sized CPU Card	EM60320F for Half-Sized CPU Card	EM60321C for STX SoM
Features							
Main Board	SBC86800 / 86807	SBC86806 / 86807 / 86808	SBC86808	SBC82621/ 82600	SBC82631 / 82610 / 82611 / 82400 / 82401/ 8233 / 8241	SBC826A1 / 826A0 / 82810	STX+STB97200
CPU	Intel Celeron Intel Pentium 4	Intel Celeron Intel Pentium 4	Intel Celeron D Intel Pentium 4	Celeron & VIA C3 VIA ULP/LP Eden C3	386 compliant 486 compliant VIA Eden/C3 Intel Celeron, Celeron M Intel Pentium3, Pentium M	VIA Eden/C3	VIA Eden/C3 Intel Celeron Intel Pentium 3
2ndLevel Cache	128/ 512KB	128/ 512KB	128/ 512KB	64/ 128kB	512kB	64KB	64/ 128/ 256KB
Clock	2,0 - 3,2GHz	2,0 - 3,2GHz	2,0 - 3,2GHz	400MHz - 1,3GHz	33MHz - 1,3GHz	400MHz - 1,0GHz	400MHz - 933MHz
Chipset	Intel 845GV and 82801 (ICH*4)	Intel 845GV and 82801 (ICH*4)	Intel 915GV + ICH6	VT82C694T + 686B	VT 82C694T + 686B VT 8606+686B STPC Elite ASLI M6117D ALI 1487 + 1489	CLE266 + VT8237	VT 8606 + 82C686B
Memory (MB)	1GB	1GB	up to 2GB	512MB	20MB/ 64MB/ 128MB/ 512MB	1GB	512MB
Harddisk	1x 3,5"	1x 3,5"	1x 3,5" or 1x 2,5" HDD	1x 3,5"	1x 3,5"	1x 3,5"	1x 3,5"
Video Memory	0-64MB	0-64MB	128MB	0-64MB	0-64MB	0-64MB	8-32MB
Video Interfaces	TV-Out VGA/CRT	TV-Out VGA/CRT	LCD/CRT VGA/CRT	LCD/CRT VGA/CRT	TV-Out VGA/CRT	DVI VGA/CRT	TV-Out VGA/CRT
Resolution	2.048 x 2.048 2.048 x 2.048	2.048 x 2.048 2.048 x 2.048	CRT: 2.048 x 1.536 LVDS LCD: 1.600 x 1.200	1.920 x 1.440	1.280 x 1.024	1.400 x 1.050 1.280 x 1.024	1.400 x 1.050 1.280 x 1.024
Keyboard, Mouse	1x PS/2	1x PS/2	1x PS/2	1x PS/2	1x PS/2	1x PS/2	1x PS/2
Serial Interface	1x RS-232	1x RS-232	3x RS-232 1x RS-232/ 422/ 485	1x RS-232 1x RS-232/ 422/ 485	1x RS-232 1x RS-232/ 422/ 485	1x RS-232 1x RS-232/ 422/ 485	3x RS-232 1x RS-232/ 422/ 485
Parallel Interface	1x LPT	1x LPT	1x LPT	1x LPT	1x LPT	1x LPT	1x LPT
USB	4x V2.0	4x V2.0	4x V2.0	2x V1.1	2x V1.1	4x V2.0	3x V2.0
Firewire IEEE1394	n/a	n/a	n/a	n/a	n/a	n/a	n/a
IrDA	yes	yes	yes	yes	yes	yes	yes
TV-Input/ Framegrabber	n/a	n/a	n/a	n/a	n/a	n/a	n/a
LAN Ports	1x 10/ 100 Base-T	1x 10/ 100 Base-T	1x 10/ 100 Base-T	1x 10/ 100 Base-T	2x 10/ 100 Base-T	2x 10/ 100 Base-T	1x 10/ 100 Base-T
LAN Boot/Wake up	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Audio Controller	AC'97	AC'97	AC'97	AC'97	AC-link interface for external AC'97	AC'97	AC'97
Sound	(yes option)	(yes option)		(yes option)	(yes option)	(yes option)	
Power Input	100 - 240V AC auto	100 - 240V AC auto		100 - 240V AC auto	100 - 240V AC auto	100 - 240V AC auto	100 - 240V AC auto 9 - 18V DC 18 - 36V DC 36 - 72V DC
Power Supply Adapter							
Expansion	2x PCI	2x PCI or 2x PCI-E 2x dummy add-on card brackets	1x PCI Express	2x PCI	2x PCI	2x PCI	
Power Saving							
Conformity	CE	CE	CE	CE	CE	CE	CE
Protection class							
Dimensions (mm)	335,0 x 250,0 x 88,0	335,0 x 250,0 x 98,0	300,0 x 273,0 x 65,0	335,0 x 250,0 x 88,0	335,0 x 250,0 x 88,0	335,0 x 250,0 x 88,0	225,0 x 225,0 x 88,0
Case	heavy-duty cold-rolled steel	heavy-duty cold-rolled steel	heavy-duty cold-rolled steel	heavy-duty cold-rolled steel	heavy-duty cold-rolled steel	heavy-duty cold-rolled steel	heavy-duty cold-rolled steel
Colour	silver	silver	black	silver	silver	silver	silver
Weight						0°C ~ +45°C	0°C ~ +45°C
Operating Temperature	0°C ~ +45°C	0°C ~ +45°C	0°C ~ +60°C	0°C ~ +45°C	0°C ~ +45°C		
Storage Temperature	10% ~ 95% relative humidity non-condensing	10% ~ 95% relative humidity non-condensing	10% ~ 95% relative humidity non-condensing			10% ~ 95% relative humidity non-condensing	10% ~ 95% relative humidity non-condensing
Operating Humidity	10% ~ 95% relative humidity non-condensing	10% ~ 95% relative humidity non-condensing	10% ~ 95% relative humidity non-condensing	10% ~ 95% relative humidity non-condensing	10% ~ 95% relative humidity non-condensing	100.000h	100.000h
MTBF	50.000h	50.000h		100.000h	100.000h	Windows CE/ Windows XP	Windows CE/ Windows XP
Verified Operating System	Windows CE/ Windows XP	Windows CE/ Windows XP		Windows CE/ Windows XP	Windows CE/ Windows XP	1x system fan	1x system fan
Cooling	1x system fan	1x system fan	2x system fan	1x system fan	1x system fan	t.b.d.	t.b.d.
Ordering Number	t.b.d.	t.b.d.	t.b.d.	t.b.d.	t.b.d.		