

General	EBX								NEW EPIC		NEW VORTEX		PC/104																		
	Python		Sidewinder	Cobra				COMING SOON Mamba		NEW Komodo		Tomcat		Puma		Cougar	Manx		Ocelot		NEW CORE 2 DUO Cheetah			NEW CORE 2 DUO Wildcat		NEW CORE 2 DUO Leopard					
Product Name	VL-EBX-11g	VL-EBX-11h	VL-EBX-22g	VL-EBX-12p	VL-EBX-12r	VL-EBX-12t	VL-EBX-12v	VL-EBX-37S	VL-EBX-37E	VL-EPICs-36S	VL-EPICs-36E	VL-EPM-16S/V	VL-EPM-16E/F	VL-EPM-5g	VL-EPM-5h	VL-EPM-14h	VL-EPM-15g	VL-EPM-15h	VL-EPMs-21a/g	VL-EPMs-21b/h	VL-EPM-32p	VL-EPM-32t	VL-EPM-32v	VL-EPMp-34S	VL-EPMp-34E	VL-EPM-35S	VL-EPM-35E				
Status	Available		Available	Available				Coming Soon		New		New		Not Recommended for New Designs		Available	Available		Available			New			New						
Temperature Rating	0° to +60°C	-40° to +85°C	0° to +60°C	0° to +60°C		-40° to +85°C	0° to +60°C	0° to +60°C	-40° to +85°C	0° to +60°C	-40° to +85°C	0° to +70°C	-40° to +85°C	0° to +60°C	-40° to +85°C	-40° to +85°C	0° to +60°C	-40° to +85°C	0° to +60°C	-40° to +85°C	0° to +60°C	-40° to +85°C	0° to +60°C	0° to +60°C	-40° to +85°C	0° to +60°C	-40° to +85°C				
Processor	Geode LX 800		VIA Eden	Pentium M 745				ULV Celeron M 373		Core 2 Duo P8400		Core 2 Duo P8400		Vortex86DX		Geode GX 500		Geode LX 800		Geode LX 800		Atom Z530P	Atom Z520PT	Pentium M 745			ULV Celeron M 373	Core 2 Duo SP9300		Core 2 Duo SP9300	
Chipset	Geode CS5536		VIA CX700M	855GME + ICH4				GM45 + ICH9M		GM45 + ICH9M		Internal (SoC)		Geode CS5536		Geode CS5536		Geode CS5536		US15WP	US15WPT	855GME + ICH4			GS45 + ICH9M		GS45 + ICH9M				
Processor Speed	500 MHz		1.2 GHz	0.6 to 1.8 GHz [a]		1.0 GHz	1.0 GHz	2.26 GHz [a]	1.2 GHz [a]	2.26 GHz [a]	1.2 GHz [a]	800 MHz	366 MHz	333 MHz	500 MHz	500 MHz	500 MHz	500 MHz	500 MHz	1.6 GHz	1.33 GHz	0.6 to 1.8 GHz [a]		1.0 GHz		2.26 GHz [a]	1.2 GHz [a]	2.26 GHz [a]	1.2 GHz [a]		
Processor Bus	Internal		400 MHz	400 MHz				1066 MHz	800 MHz	1066 MHz	800 MHz	Internal		Internal		Internal		Internal		533 MHz			400 MHz			1066 MHz	800 MHz	1066 MHz	800 MHz		
Operating Power [m]	4.5W		10W	12-25W [a]		12W	10.5W	18.5W [a]	14.3W [a]	20W [a]	15.5W [a]	2.7W		5W - ACPI		4.5W	5W - ACPI	5W - ACPI	7.5W - ACPI	6.5W - ACPI	8-25W [a]	12W	8W	19.5W [a]	12.8W [a]	21.3W [a]	15.5W [a]				
CPU Cooling	None	Heatsink	Heatsink	Fan				Fan		Fan		None	Heatsink	Heatsink	Heatsink	Heatsink	Heatsink	Heatsink	Heatsink			Fan		Fan		Fan		Fan			
Stackable Bus	PC/104-Plus		PC/104-Plus	PC/104-Plus				PC/104-Plus		SUMIT, PC/104		PC/104-Plus		PC/104-Plus		PC/104-Plus	PC/104-Plus	PC/104-Plus	SUMIT, PC/104			PC/104-Plus			PCI-104		PC/104-Plus				
Expansion	SPX		SPX	-				PCIe Mini Card, SPX		SPX		-		-		-	-	-	SPX			-			SPX		SPX				
RoHS (2002/95/CE)	RoHS		RoHS	RoHS				RoHS		RoHS		RoHS		RoHS		RoHS		RoHS		RoHS			RoHS			RoHS		RoHS			
RAM	Capacity	Up to 1 GB		Up to 1 GB		Up to 2 GB				Up to 4 GB		Up to 512 MB		256 MB		256 MB	256 MB		Up to 2 GB		Up to 1 GB			Up to 4 GB		Up to 4 GB					
	Type	DDR		DDR2		DDR				DDR3		DDR3		DDR		DDR		DDR		DDR2			DDR			DDR3		DDR3			
	Mounting	Socketed		Socketed		Socketed [j]				Socketed [j]		Socketed		Soldered-on		Soldered-on		Soldered-on	Soldered-on		Socketed			Socketed			Socketed				
Mass Storage	Hard Drive	ATA/66		ATA/100 [e], Dual SATA		Dual ATA/100				Dual SATA		Dual SATA		ATA/66		ATA/66	ATA/66	ATA/66	ATA/100 [e]			ATA/100 [e]			Dual SATA		Dual SATA				
	Flash [c]	CompactFlash		CompactFlash, eUSB		CompactFlash				eUSB, MiniBlade [d], SATA DOM [d]		eUSB, MiniBlade		CompactFlash		CompactFlash		CompactFlash	CompactFlash		IDE DOM			CompactFlash			MiniBlade		eUSB, MiniBlade		
Video	Graphics Core	MMX & 3DNow!		VIA UniChrome Pro		Intel Extreme Graphics 2				GMA 4500 MHD		GMA 4500 MHD		MMX & 3DNow!		MMX & 3DNow!	MMX & 3DNow!	MMX & 3DNow!	GMA 500			Intel Extreme Graphics 2			GMA 4500 MHD		GMA 4500 MHD				
	VRAM (shared DRAM)	Up to 64 MB		Up to 128 MB		Up to 64 MB				Up to 512 MB		Up to 512 MB		[b]		Up to 16 MB		Up to 64 MB	Up to 64 MB	Up to 256 MB			Up to 64 MB			Up to 512 MB		Up to 512 MB			
	Analog (VGA) Output	Y		Y		Y				Y		Y		Y		Y	Y	Y	Optional			Y			Y		Y				
	LVDS Flat Panel Output	Y		Y		Y				Y		Y		Y		Y	Y	Y	Y			Y			Y		Y				
LAN	Ethernet	10/100		10/100		10/100		GbE		10/100		GbE		GbE		10/100		10/100		10/100		GbE			10/100			GbE		GbE	
	Ports	2		2		2		2		2		2		1		1		2	1	1	1			1			1		2		
Serial	RS-232 Ports	2		2		2				2		2		1		2	1	1	0			1			-		1				
	RS-232/422/485 Ports	2		2		2				2		2		2 [f]		1 [f]	2 [f]	2 [f]	2 [f]	2 [f]	4			1			1		4		
I/O	LPT Interface	Y		Y		Y				-		-		Y		Y	-	-	Y			Y			-		Y				
	Analog Inputs (12-bit)	8		8		8 [d]				8 [k]		-		-		-	-	-	-			-			-		-				
	Analog Outputs (12-bit)	-		-		-				4 [l]		-		-		-	-	-	-			-			-		-				
	Digital I/O Lines	32		32		32				32		-		-		-	-	-	-			-			-		-				
	USB	4		6		4				6		4		2		4	4	4	3 [i]			2			4		6				
Audio	AC'97: analog in/out		AC'97: analog in/out		AC'97: analog in/out				HD Audio: analog in/out		HD Audio: analog in/out		-		AC'97: analog in/out		-	AC'97: analog in/out		HD Audio: analog in/out			AC'97: analog in/out			HD Audio: digital [h]		HD Audio: analog in/out + digital			
Counter / Timers	Watchdog Timer	Y		Y		Y				Y		-		Y		Y	Y	Y	Y			Y			Y		Y				
	Additional Counter/Timers	3		2		3				3		-		2		-	-	-	-			-			-		-				
Price / Performance	Core 2 Duo																														
	Pentium M / Atom																														
	Eden / Celeron M																														
	Geode / Vortex																														

Notes
 [a] SpeedStep dynamic processor frequency scaling provides the ability to fine-tune performance and power conservation. [b] No on-board video. Use video expansion module to provide video output during development. [c] Storage capacity limited only by currently available media sizes. [d] Optional. [e] Limited to ATA/66 using standard 44-pin 2 mm cable. [f] 422/485 only. [g] USB 1.1. [h] Digital audio via external codec. [i] One (1) port configurable as USB client. [j] Two (2) SO-DIMM sockets. [k] Expandable to (16) channels via customization option. [l] Expandable to (8) channels via customization option. [m] The typical power consumption of each product computed as the mean value of Idle and Maximum (measured with 95% CPU utilization) power specifications. All power specifications represent operation at +25°C with +5V supply running Windows XP with Ethernet, keyboard, and mouse.

For more information, visit www.VersaLogic.com or contact a sales representative at (541) 485-8575. Specifications are subject to change without notification. Not all products are included in this chart. Revised 04/12/10.

Technical Sales & Support
1-800-824-3163
 Questions?
 Product Selection
 Technical Assistance