

		Linux Z500PT	Linux i.MX35	Linux phyCARD-M	Linux i.MX31	Linux i.MX27	Linux phyCARD-S	Linux PXA270	Linux MPC5121e	Linux MPC5200	Win Z500PT	WinCE i.MX35	WinCE phyCARD-M	WinCE i.MX31	WinCE i.MX27	WinCE phyCARD-S	WinCE PXA270	Keil STM32F103	Keil XC167	Keil ARM 7	MPC5554	MCF5485	TC1796/1797	UML-Kit	SPS-Kit	FPGA-Kit		
Software	Operating System	Linux 2.6x	Linux 2.6x	Linux 2.6x	Linux 2.6x	Linux 2.6x	Linux 2.6x	Linux 2.6x	Linux 2.6x	Linux 2.6x	Windows embedded standard	WinCE6.0	WinCE6.0	WinCE 6.0	WinCE 6.0	WinCE 6.0	WinCE 5.0 / 6.0	Keil RTX	Keil ARTX-166	RTX-ARM	Euros/ INTEGRITY/div.	EUROS/MOX /Sciopta/div.	PXROS/Euros/div.	Linux 2.6x	Linux 2.6x	Linux 2.6x		
	Real-Time	yes	yes	RTpreempt	-	RTpreempt	RTpreempt	RTpreempt	yes	RTpreempt	-	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	RTpreempt	RTpreempt	RTpreempt			
	BSP / Image	yes / yes	yes / yes	yes / yes	yes / yes	yes / yes	yes / yes	yes / yes	yes / yes	yes / yes	yes	yes / yes	yes / yes	yes / yes	yes / yes	yes / yes	yes / yes	yes / yes	-	yes	-	on request	on request	yes / -	yes / yes	yes / yes		
	Bootloader	-	Uboot	Uboot	Uboot	Uboot	Uboot	Uboot	U-Boot	Uboot	-	Eboot	Eboot	Eboot	Eboot	Eboot	Eboot	-	-	-	yes	yes	yes	Uboot	Uboot	Uboot		
	Toolchain	Eclipse	Eclipse	Eclipse	Eclipse	Eclipse	Eclipse	Eclipse	Eclipse	Eclipse	Eclipse	Visual Studio 2005	Visual Studio 2005	Platform Builder	Platform Builder	Platform Builder	Platform Builder	Platform Builder	Keil µVision	Keil µVision	Keil µVision	WinIDEA	CodeWarrior	Higtech/Tasking/Euros	Rhapsody	CoDeSys	Eclipse / Quartus	
	Compiler	GNU	GNU	GNU	GNU	GNU	GNU	GNU	GNU	GNU	GNU	Visual Studio 2005	Visual Studio 2005	Visual Studio	Visual Studio	Visual Studio	Visual Studio	Visual Studio	Keil C Compiler	Keil C Compiler	Real Viewer	GNU	CodeWarrior	GNU/Tasking	GNU	GNU	GNU	
	Debug-Interface	JTAG	JTAG	JTAG	JTAG	JTAG	JTAG	JTAG	JTAG	JTAG	JTAG	JTAG	JTAG	JTAG	JTAG	JTAG	JTAG	JTAG	JTAG	JTAG	JTAG	JTAG	BDM, Nexus	BDM	JTAG/OCDS2	JTAG	JTAG	JTAG / COP
CPU	Processor	Z510P	i.MX35	i.MX35x	i.MX31	i.MX27	i.MX27	PXA270	MPC5121e	MPC5200	Z510P	i.MX35x	i.MX35	i.MX31	i.MX27	i.MX27	PXA270	STM32F103	XC167	LPC2294	MPC5554	MCF5485	TC1796/ TC1797	PXA270	MPC5200B	MPC5200B		
	Family	x86	ARM-1136	ARM-1136	ARM-1136	ARM-926	ARM-926	XScale	PowerPC	PowerPC	x86	ARM-1136	ARM-1136	ARM-1136	ARM-926	ARM-926	XScale	Cortex-M3	XC16x	LPC22xx	PowerPC	ColdFire	TiCore	XScale	PowerPC	PowerPC		
	Manufacturer	Intel	Freescale	Freescale	Freescale	Freescale	Freescale	Marvell	Freescale	Freescale	Intel	Freescale	Freescale	Freescale	Freescale	Freescale	Marvell	ST Microelect-ronics	Infineon	NXP	Freescale	Freescale	Infineon	Marvell	Freescale	Freescale		
	Frequency	1,1GHz	532MHz	532MHz	532MHz	400MHz	400MHz	520MHz	400MHz	396MHz	1,1GHz	532MHz	532MHz	532MHz	400MHz	400MHz	520MHz	72MHz	40MHz	60MHz	132MHz	200MHz	150/180MHz	520MHz	400MHz	400MHz		
	MMU	yes	yes	-	yes	yes	-	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	-	-	-	yes	yes	MPU	yes	yes	yes	
Memory	RAM	512MB DDR2	128MB DDR2	128MB DDR	128MB DDR	128MB DDR	64MB	64MB SDRAM	128MB DDR2	64MB DDR	512MB DDR2	128MB DDR2	128MB	128MB DDR	128MB DDR	64MB	64MB SDRAM	-	-	-	2MB Burst	128MB DDR	-	64MB SDRAM	64MB DDR	128MB DDR		
	SRAM	-	-	-	512kB	256kB	-	-	1MB	-	-	512kB	-	512kB	256kB	-	-	-	64kB	512kB	1MB	-	-	8MB	-	-	-	
	NOR Flash	-	32MB	-	32MB	32MB	-	32MB	32MB	16MB	-	32MB	-	32MB	32MB	-	32MB	512kB	1MB	2MB	2MB	32MB	32MB	32MB	32MB	16MB	32MB	
	NAND Flash	2GB (SSD)	1GB	128MB	64MB	64MB	64MB	-	1GB	-	2GB (SSD)	1GB	128MB	64MB	64MB	64MB	-	-	-	-	-	-	-	-	-	-	-	
	EEPROM	4kB	4kB	4kB	4kB	4kB	4kB	4kB	4kB	4kB	4kB	4kB	4kB	4kB	4kB	4kB	4kB	4kB	4kB	4kB	1kB	4kB	4kB	32kB	4kB	4kB	4kB	
Interfaces	Ethernet	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	-	yes	yes	yes	yes	2 x	yes	yes	yes	yes	
	CAN	-	yes	-	yes	yes	-	yes	2 x	2 x	-	yes	-	yes	yes	yes	yes	yes	1 x	2 x	2 x	2 x	2 x	4 x (1x1TCAN)	yes	2 x	2 x	
	USB	OTG, 4 x Host	OTG, Host	OTG, Host	OTG HS, Host HS	OTG HS, Host HS	OTG, Host	Host, Device	OTG HS	Host	OTG, 4 x Host	OTG, Host	OTG HS, Host HS	OTG HS, Host HS	OTG HS, Host HS	OTG HS, Host HS	Host, Device	Device	-	-	-	-	Host, Device	1 x	Host, Device	Host	Host	
	RS232	2 x	2 x	1 x	2 x	2 x	1 x	2 x	2 x	2 x	1 x	2 x	1 x	2 x	2 x	1 x	2 x	1 x	1 x	2 x	2 x	2 x	2 x	2 x	2 x	2 x	2 x	
	PCI	-	-	-	-	-	-	-	yes	yes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	PCIe / Mini PCIe	yes / yes	-	-	-	-	-	-	-	-	yes / yes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	ATA / IDE	-	-	-	-	-	-	-	yes	yes	-	-	-	-	yes	-	-	-	-	-	-	-	-	-	-	-	yes	yes
	SATA	yes	-	-	-	-	-	-	yes	-	yes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Sound	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	-	-	-	-	-	-	-	yes	yes	yes
	SP / PC	- / -	yes / yes	1 x	yes / yes	yes / yes	1 x	yes / yes	yes / yes	yes / yes	yes / yes	- / -	yes / yes	yes / yes	yes / yes	yes / yes	yes / yes	yes / yes	-	yes / yes	yes / -	yes / -	yes / -	yes / yes	yes / yes	yes / yes	yes / yes	yes / yes
	CPLD / FPGA	yes	-	-	-	-	-	CPLD	yes	-	yes	-	-	-	-	-	CPLD	-	-	-	CPLD	FPGA	CPLD	-	CPLD	-	FPGA	FPGA
	RTC	yes (internal)	yes	-	yes	yes	-	yes	yes	yes	yes (internal)	yes	yes	yes	yes	yes	yes	yes	yes (internal)	yes	yes	yes	yes	yes	yes	yes	yes	yes
	CF / SD / MMC	- / yes / yes	- / yes / yes	- / - / yes	yes / yes / yes	yes / yes / yes	- / - / yes	- / yes / yes	yes / yes / yes	yes / - / -	- / yes / yes	- / yes / yes	- / yes / yes	yes / yes / yes	yes / yes / yes	- / yes / yes	- / yes / yes	- / yes / yes	- / - / -	- / - / -	- / - / -	- / - / -	- / - / -	yes / yes / yes	- / yes / yes	- / yes / yes	yes / - / -	yes / - / -
	Expansion Bus	yes	yes	-	yes	yes	-	yes	yes	yes	yes	yes	-	yes	yes	-	yes	-	-	yes	yes	yes	yes	yes	yes	yes	yes	yes
	Modul	PCM-041-30COESM	PCM-043-000RE	PCA-A-M1-1101007	PCM-037-0010REU	PCM-038-0010REU	PCA-A-S1-2101000	PCM-027-251EXMGI	PCM-046-1101REI	PCM-030-02REI	PCM-041-30COESEM	PCM-043-000RE	PCA-A-M1-1101007	PCM-037-0000REU	PCM-038-0010REU	PCA-A-S1-2101000	PCM-027-251EXMRPI	PCM-044	PCM-021-0020E	PCM-023-00011C1	PCM-028-1111E	PCM-024-322111	KSP-0150-1	PCM-027-251EXMGI	PCM-030-02REI	PCM-032-10REBPSI	PCM-028-10REBPSI	
Carrier Board	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	PCM-964	yes	yes	yes	yes	yes	KSP-0150-B0	yes	yes	yes	
Mapperboard	-	yes	-	yes	yes	-	-	-	-	-	yes	-	yes	yes	yes	yes	-	-	-	-	-	-	-	-	-	-	-	
Bare PCB Expansion Board	-	-	yes	-	-	yes	yes	yes	yes	yes	-	-	-	-	-	yes	-	-	yes	yes	yes	yes	yes	yes	yes	yes	yes	
Display	opt.	3,5"	5"	3,5"	3,5"	5"	opt.	5"	-	opt.	3,5"	5"	3,5"	3,5"	5"	8,4"	-	-	-	-	-	-	opt.	opt.	-	-	-	
Touch	-	yes	yes	yes	yes	yes	opt.	yes	-	-	yes	yes	yes	yes	yes	yes	-	-	-	-	-	-	-	opt.	-	-	-	
Camera	-	opt.	yes (LVDS)	opt.	opt.	yes (LVDS)	opt.	-	-	-	opt.	opt.	opt.	opt.	opt.	opt.	-	-	-	-	-	-	opt.	-	-	-	-	
Debugger	-	-	-	-	-	-	Parallel-Wiggler	-	-	-	-	-	-	-	-	Parallel-Wiggler	ULINK	ULINK	ULINK	iSystem iOne	USB-BDM-Wiggler	onBoard	Parallel-Wiggler	-	JTAG-Byteblaster für FPGA	JTAG-Byteblaster für FPGA		
Power supply and Cables	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	
Tool-CD	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	
QuickStart-Instruction	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	
Printed schematics	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	
Start-Up Guarantee	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	
Orderinformation	Part #	KPCM-041-Linux	KPCM-043-Linux	KPCA-A-M1-Linux	KPCM-037-Linux	KPCM-038-Linux	KPCA-A-S1-LINUX01	KPCM-027-Linux	KPCM-046-Linux	KPCM-030-Linux	KPCM-041-WinEM	KPCM-043-Win	KPCA-A-M1-WINCE	KPCM-037-Win	KPCM-038-Win	KPCA-A-S1-WINCE	KPCM-027-Win	KNM-103-OR	KPCM-021-Keil	KPCM-023-Keil	KPCM-028-IS	KPCM-024-CW	KSP-0150-Kit	KPCM-027-UML	KPCM-030-SPS	KPCM-032-FPGA		
	Price in EUR (plus VAT)	€ 595,-	€ 545,-	€ 420,-	€ 595,-	€ 545,-	€ 380,-	€ 520,-	€ 595,-	€ 380,-	€ 675,-	€ 545,-	€ 435,-	€ 545,-	€ 545,-	€ 395,-	€ 790,-	€ 340,-	€ 320,-	€ 370,-	€ 590,-	€ 590,-	€ 495,-	€ 520,-	€ 380,-	€ 790,-		
	Web-ID	E1595	E1593	E1643	E1529	E1571	E1604	E1402	E1598	E1403	E1596	E1594	E1644	E1529	E1571	E1605	E1404	E1592	E1412	E1411	E1409	E1410	E1590	E1405	E1408	E1406		