






Colibri - Connectivity at Your Fingertips

The Intel/Marvell XScale® based Colibri modules are highly miniaturized and encapsulate complex hard- and software technology for fast and easy product development. Colibri computer modules come with a sophisticated development environment including Toradex' fully customizable Windows CE 5.0/6.0 BSP. All Colibri products are pin compatible, allowing optimization for cost or performance on an existing design.

	Colibri PXA300 (208 MHz) 	Colibri PXA270 (312 MHz) 	Colibri PXA270 (520 MHz) 	Colibri PXA320 (806 MHz) 	Colibri PXA320 IT (806 MHz) 
CPU:	Marvell PXA300 208 MHz Wireless MMX 2	Marvell PXA270 312 MHz Wireless MMX	Marvell PXA270 520 MHz Wireless MMX	Marvell PXA320 806 MHz Wireless MMX 2	Marvell PXA320 806 MHz Wireless MMX 2
Memory:					
RAM	64 MB DDR	64 MB SDRAM	64 MB SDRAM	128 MB DDR	128 MB DDR
Bus Width	16 Bit	32 Bit	32 Bit	32 Bit	32 Bit
Flash	128 MB	32MB	32 MB	1 GB	1 GB
Bus Width	8 Bit	32 Bit	32 Bit	8 Bit	8 Bit
Connectivity:					
External Bus	16 Bit	32 Bit	32 Bit	16 Bit	16 Bit
I2C	✓	✓	✓	✓	✓
SPI	✓	✓	✓	✓	✓
One-Wire	✓	-	-	✓	✓
CompactFlash	-	✓	✓	✓	✓
UART	2x	2x	2x	2x	2x
IrDA/UART	✓	✓	✓	✓	✓
Consumer IR Unit	✓	-	-	✓	✓
100MBit Ethernet	✓	✓	✓	✓	✓
SDCard	2x	1x	1x	2x	2x
USB Host/Device	✓	✓	✓	✓	✓
USB 2.0 Device	-	-	-	✓	✓
Multimedia:					
LCD (XGA)	✓	✓	✓	✓	✓
Touch Screen	-	✓	✓	✓	✓
Camera Interface	✓	✓	✓	✓	✓
Audio I/O	-	✓	✓	✓	✓
PWM	✓	✓	✓	✓	✓
GPIOs	up to 100	up to 85	up to 85	up to 113	up to 113
Size:					
67.6x36.7x5.2 (SODIMM)	✓	✓	✓	✓	✓
Temperature:	0° to 70° C	-10° to 70° C	-10° to 70° C	0° to 70° C	-45° to 85° C
Availability:	Production	Production	Production	Production	Q1 '08