		phyCORE-XC167	phyCORE-XC161	phyCORE-C167 HS/E	phyCORE-ST10 HS/E	phyCORE-C167CR		phyCORE-C167CS	phyCORE-89C51CC01	phyCORE-ADuC824	phyCORE-DS80C390	phyCORE-89C51MC2	phyCORE-591	phyCORE-89C66x
CPU	CPU	16-bit XC167CI	16-bit XC161CJ	16-bit C167CS	16-bit ST10F269	16-bit C167CR		16-bit C167CS	8-bit AT89C51CC01	8-bit ADuC824	8-bit DS80C390	8-bit 89C51MC2	8-bit 80C591	8-bit 89C668
	Frequency (MHz max)	40	40	40	40	20		20	20	32.786	40	24	12	16
	On-chip Memory (KB)	128 Flash	128 Flash						128 Flash 32 SRAM	128 Flash 128 SRAM			128 Flash 128 SRAM	64 Flash 32 SRAM
On-board Memory	RAM Standard (KB)	512	512	512	512	256		256	128	128	128	128	128	32
	RAM Options (MB)	1	1	1	1	1		1	-	1	1	1	-	-
	Flash Standard (KB)	256	256	256	256	256		256	128	128	128	256	128	-
	Flash Options (MB)	2	2	2	2	2		2	512 KB	512 KB	2	2	512 KB	-
	Serial EEPROM (KB)	4	4	4	4	4		4	2		4	4	4	4
	EEPROM Options (KB)	32	32	32	32	32		32		4/16	8	32	8	32
	JTAG	Yes	Yes	-	-	-		-	-	-	-	-	-	-
Interfaces	RS-232	2	2	2	2	1		2	1*	1*	1*	1*	1*	1*
	I²C	Yes	Yes	-	-	-		-	Yes	Yes	Yes	Yes	Yes	-
	SPI	Yes	Yes	Yes	Yes	Yes		Yes	-	-	-	Yes	-	-
	CAN	2	2	2	2	1		2	1	1	2	-	1	-
	Ethernet	Yes	Yes	Yes	Yes	-		-	-	-	-	-	-	-
RTC		Yes	Yes	Yes	Yes	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes
Miscellaneous		DSP with built-in MAC	DSP with built-in MAC											
Specifications	Supply	5V, 2.5V	5V	5V	5V	5V		5V	5V	5V	5V	5V	5V	5V
	Connector (0.635 mm pitch)	2 x 100-pin	2 x 100-pin	2 x 100-pin	2 x 100-pin	2 x 100-pin		2 x 100-pin	2.54 mm pitch	2.54 mm pitch	2.54 mm pitch	2.54 mm pitch	2.54 mm pitch	2.54 mm pitch
	Dimensions	60 x 53 mm	60 x 53 mm	60 x 53 mm	60 x 53 mm	60 x 53 mm		60 x 53 mm	55 x 44mm	55 x 60 mm	55 x 47.5 mm	55 x 51 mm	50 x 40 mm	55 x 40 mm
	Temperature Range	0° to 70° C	0° to 70° C	0° to 70° C	0° to 70° C	0° to 70° C		0° to 70° C	0° to 70° C	0° to 70° C	0° to 70° C	0° to 70° C	0° to 70° C	0° to 70° C
	Power Consumption (typical)	100 mW	270 mW	1.5 W										
Root Part #		PCM-021	PCM-020	PCM-018-C1	PCM-018-C3	PCM-009		PCM-009-CI	PCM-016	PCM-012	PCM-015	PCM-017	PCM-002	PCM-006
Kit Price		$459	$459	$389	Call!	$299		$299	Call!	Call!	Call!	Call!	Call!	Call!