		phyCORE-XC167	phyCORE-XC167	phyCORE-XC167 HS/E	phyCORE-ST10 HS/E	phyCORE-XC167 CR	phyCORE-XC167CS	phyCORE-89C51CC01	phyCORE-ADuC824	phyCORE-DS80C390	phyCORE-89C51MC2	phyCORE-591	phyCORE-89C6xx
CPU	Architecture	C166S V2	C166S V2	C166	C166	C166	C166	80C51	80C51	80C51	80C51	80C51	80C51
	CPU	16-bit XC167CI	16-bit XC167CJ	16-bit C167CS	16-bit ST10F269	16-bit C167CR	16-bit C167CS	8-bit AT89C51CC01	8-bit ADuC824	8-bit DS80C392	8-bit 89C51MC2	8-bit 80C591	8-bit 89C668
	Frequence (MHx max)	40	40	40	40	20	20	20	32.786	40	24	12	16
On-board Memory	On-chip Memory (KB)	128 Flash	128 Flash	-	-	-	-	128 Flash, 32 SRAM	128 Flash, 128 SRAM	-	-	128 Flash, 128 SRAM	64 Flash, 32 SRAM
	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
Interfaces	JTAG	Yes	Yes	-	-	-	-	-	-	-	-	-	-
	RS-232	2	2	2	2	1	2	1	1	1	1	1	1
	I²C	Yes	Yes	-	-	-	-	Yes	Yes	Yes	Yes	Yes	-
	SPI/SSP	Yes	Yes	Yes	Yes	Yes	Yes	-	-	-	Yes	-	-
	CAN	2	2	2	2	1	2	1	1	2	-	1	-
	Ethernet (Mbit/s)	Yes	Yes	Yes	Yes	-	-	-	-	-	-	-	-
RTC		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Miscellaneous		DSP with build-in MAC	DSP with build-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	2.54 mm pitch	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 44 mm	55 x 60 mm	55 x 47.5 mm	55 x 51 mm	50 x 40 mm	55 x 40 mm
	Temperature Range	0 °C to +70 °C	0 °C to +70 °C	0 °C to +70 °C	0 °C to +70 °C	0 °C to +70 °C	0 °C to +70 °C	0 °C to +70 °C	0 °C to +70 °C	0 °C to +70 °C	0 °C to +70 °C	0 °C to +70 °C	0 °C to +70 °C
	Power Consumption	100 mW	270 mW	1.5 W	-	-	-	-	-	-	-	-	-