

№	Parameter/Processor	MultiClet P1	MultiClet R1-1	MultiClet R1	Analogs				
		MultiClet MCp0411100101	MultiClet MCp042R100102-1	MultiClet MCp042R100102	Texas Instruments OMAP L-138	Analog Devices ADSP-21469	Texas Instruments TMS320C6701	Analog Devices ADSP - TS201S	Intel Pentium 4
Technological characteristics									
1	Core	MultiClet	MultiClet	MultiClet	C674+ARM9	SHARC	TMS320C6000	TigerSHARC	Willamette
2	Cells number / core number / number of executive units	4/-/-	4/-/-	4/-/-	-/1/8	-/-6	-/-8	-/-6	-/1/-
3	Architecture	Multicellular	Multicellular	Multicellular	Harvard RISC	Harvard	Harvard	Harvard	Harvard IA-32
4	Package type	QFP-208	LQFP-256	LQFP-256	PBGA-361	PBGA-324	BGA-352	Ball BGA-576	FC-PGA2-423
5	Technological process (µm)	0,18	0,18	0,18	0,065	0,065	0,18	0,13	0.18
6	Temperature range	-60 to +125° C ²	-60 to +125° C ²	-60 to +125° C ²	-40 to 90° C	от -40 до +85° C	-40 to 105° C	-40 to +85° C	-40 to +85° C
7	Chip area (sq.mm)	100	144	144	NA ¹	NA ¹	NA ¹	NA ¹	217
8	Capacity (bit)	32/64	32/64	32/64	32	32	32	32/64	32
9	Frequency (MHz)	100	80	150	456	400	167	600	2000
10	Performance (GFlops)	2,4	1,9	3,6	2,7	2,4	1	3,6	2
11	Memory (Kb)	ROM⁴	-	-	64	500	64	NA ¹	NA ¹
		RAM	DM -128 (4*4K*64) PM -128 (4*4K*64)	DM -256 PM -256	DM -256 PM -256	8	625	64	3000
12	Voltage (V)	Core	1,8	1,8	1,8	1,8	1,8	1,2	1,8
13		Peripherals	3,3	3,3	3,3	3,3	3,3	3,3	NA ¹
14	Maximum power consumption (Wt)	1,08	0,6	0,6	1	1	1,8	3,4	100

33	C compiler	+	+	+	+	+	+	+	+
34	Debugger, JTAG	+	+	+	+	+	+	+	+
35	Operation system	FreeRTOS	FreeRTOS	FreeRTOS	Linux, BIOS, Win CE	NA ¹	NA ¹	NA ¹	Windows, Linux
36	Program environment	+	+	+	+	+	+	+	+
Other parameters									
37	Sphere of application	general industry	general industry	general industry	general industry	audio processing	general industry	general industry	general industry
38	Price (USD)	> 18	> 18	> 18	19	38	NA ¹	287	NA ¹

Data in the table was found in open sources of Internet. "MULTICLET" is not responsible for data correctness.

¹ NA - data not available

² In plastic package

³ McBSPs - multichannel serial port

⁴ Recommended list of flash ROM for using with processor MCp0411100101

No	Flash name	Company	Company	Company	Package	Power, B	Temper. range
1	XCF04S	Xilinx	Xilinx	Xilinx	VO20/VOG20	1.8 – 3.3	-40°C +85°C
2	XCF08P	Xilinx	Xilinx	Xilinx	VO48/VOG48 FS48/FSG48	1.8 – 3.3	-40°C +85°C
3	XCF16P	Xilinx	Xilinx	Xilinx	VO48/VOG48 FS48/FSG48	1.8 – 3.3	-40°C +85°C
4	XCF32P	Xilinx	Xilinx	Xilinx	VO48/VOG48 FS48/FSG48	1.8 – 3.3	-40°C +85°C