

Model		CPC307	CPC309	CPC310	CPC313
Compliance with PC/104-Plus™ standard:PCI (32 bit), ISA (16 bit)		V	V	V	PCI/104
CPU		DM&P Vortex86DX 600 MHz	Intel Atom D510 1.66 GHz	Intel Atom E3825 (Dual Core)/ E3815 (Single Core)	Baikal-T1 1,2 GHz
RAM		DDR2 SDRAM 256 MB (soldered)	DDR2 SDRAM 2 GB (soldered)	DDR3L ECC SDRAM Up To 4GB (Soldered)	DDR3-1600 SDRAM 4 GB with ECC support (soldered)
Graphics subsystem	Type	No	Integrated	Integrated	External
	Interfaces	No	VGA up to 2048×1536 (60Hz), LVDS up to 1366×768 (60Hz, 18 bit)	VGA up to 2560×1600 (60 GHz), LVDS up to 1600×1200 (60 GHz 18/24 bit)	VGA (1920×1080, 50 GHz) LVDS (1366×768, 60 GHz 18/24 bit)
	Number of independent displays	-	2 (VGA & LVDS)	3 (VGA & 2 x LVDS)	2
Storage subsystem interfaces	EIDE	1×EIDE, NAND Flash- drive 1 GB	No	No	No
	SATA	No	2×SATA	SLC NAND Flash Up to 8Gb Soldered, 1 x SATA II	1×SATA III, NAND flash Up to 8 GB
	Removable storage devices	2×microSD	1×CompactFlash Type I/II	1 x CFAST Connector	No
Communication ports	Ethernet	1×Fast Ethernet	2xGigabit Ethernet (routed to StackPC* connector)	2×Gigabit Ethernet	1×10 Gigabit Ethernet 2xGigabit Ethernet (routed to StackPC* connector)
	USB	4×USB 2.0	2×USB 2.0, 6×USB 2.0 on StackPC	4 x USB 2.0	4×USB 2.0

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Communication ports	COM-ports	2×RS-232,2×RS-232/422/485,2×RS-485/422with galvanic isolation	2×RS-232 , 2×RS422/485 with galvanic isolation	2 x rs-232 2 x RS-485/422 with galvanic isolation	2×RS-232 (routed to StackPC* connector)
	CAN-ports	2×CAN 2.0bwith galvanic isolation	No	No	No
	Digital I/O channels	8 x I/O channels, individually program-mable	8 x I/O channels, individually program-mable	8 x I/O channels, individually program-mable	8 x I/O channels, individually program-mable
	Analog I/O channels	No	No	No	No
	Others	PS/2, 1×LPT (SPP, EPP, ECP), 2×I2C	PS/2, LPC	PS/2, SPI	No
Service capabilities		3 watchdog timers, real-time clock, opto-isolated reset	2 watchdog timers (1×Fixed, 1×Programmable), real-time clock, opto-isolated reset; audio microphone	2 watchdog timers, real-time clock, opto-isolated reset; audio, microphone	1 watchdog timer, real-time clock, audio microphone, linear I/O

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OS support	FreeDOS, MS-DOS 6.22, WinCE 5.0, Linux 2.6, QNX 6.4	FreeDOS; Windows XP (Embedded); Linux 2.6; QNX 6.5	Linux ; QNX ; Microsoft Windows Embedded Standard 8; Microsoft Windows Embedded Standard 7	Linux (Debian 7.x)
Target power consumption *	Up to 5 W, depending on the version	TBD (To be Determined)	TBD (To be Determined)	7 W
Vibration -/Shock resistance	10g/150g	Up to 100g/10g depending on the version	5g/100g	5g/50g
MTBF (GOST 15150-69)	200 000 hours	175000 hours	100 000 hours	100 000 hours
Operating temperature range **	-40...+85°C/ -50...+90°C	-40...+85°C	-40...+75°C/ -40...+85°C	-40...+85°C

*Estimated power consumption – is a power consumption for calculation of the system of heat removal from the module. Actual power consumption depends on the load and the runtime application and can be less than the specified value

**Operating temperature range depends on the device version