Board model		CPC503-01	CPC503-02
Compliance with standards	PICMG 2.0,, PICMG 2.1	V	V
	PICMG 2.16	V	V
Size, including mezzanine boards		4HP, 8HP	4HP
CPU		Intel Core I7-2610 UE, 2C, 1,5 GHz Intel Core I7-2655 LE, 2C, 2,2 GHz Intel Core I7-2715 QE, 4C, 2,1 GHz	Intel Core I7-3517 UE, 2C, 1,7 GHz Intel Core I7-3555 LE, 2C, 2,5 GHz Intel Core I7-3612 QE, 4C, 2,1 GHz
RAM		DDR3 SDRAM 1333 MHz with ECC up to 8 GB, soldered	DDR3L SDRAM 1600 MHz with ECC up to 8 GB, soldered
Graphics subsystem	Type	Integrated	Integrated
	Interfaces	2×DisplayPort (1 on the front panel, 1 on RIO) 1×DVI-I on the front panel 1×DVI-D routed to RIO 1×Embedded Display Port (eDP) routed to RIO	2×DisplayPort (1 on the front panel, 1 on RIO) 1×DVI-I on the front panel 1×DVI-D routed to RIO 1×Embedded Display Port (eDP) routed to RIO
	Number of independent displays	2	3
Communication interfaces on the front panel	Gigabit Ethernet	2×Gigabit Ethernet	2×Gigabit Ethernet
	USB	4×USB 2.0	4×USB 2.0
Storage subsystem interfaces	On the board	1×SATA II for installation of the onboard LCD 1,8" SATA NAND 4 GB, soldered	1×SATA II for installation of the onboard LCD 1,8" SATA NAND 8 GB, soldered
	On mezzanine boards and on rear I/O modules	2×SATA on RIO587, 1×SATA on XMC	2×SATA on RIO587, 1×SATA on XMC
Interconnects of inter-module communication by backplane	PCI	64 bit/66 MHz	64 bit/66 MHz
	PCI Express		
	Gigabit Ethernet	2×Gigabit Ethernet (PICMG 2.16)	2×Gigabit Ethernet (PICMG 2.16)
	SATA	0	0
	USB	-	-
Mezzanine boards	Mezzanine type	Support of XMC and PMC mezzanine boards	Support of XMC and PMC mezzanine boards
	Interface for data exchange with mezzanine	PCI-X 64 bit/133 MHz, PCI-E x8 Gen2 (up 5 GHz/s)	PCI-X 64 bit/133 MHz, PCI-E x8 Gen3 (up to 8 GHz/s)
	Interfaces of general purpose communication with mezzanine	1xSATA, 2xUSB 2.0, LPC, HD-Audio, 2xEthernet (Switchable between backplane and XMC- conenctor)	1xSATA, 2xUSB 3.0, LPC, HD-Audio, 2xEthernet (Switchable between backplane and XMC- conenctor)
OS support		Linux 2.6, QNX 6.5, Windows embedded standart 7, Astra Linux Smolensk 1.3	Linux 2.6, QNX 6.5, Windows embedded standart 7, Astra Linux Smolensk 1.3

Board model		CPC503-01	CPC503-02
Target power consumption*		From 45 to 65 W, depending on the version	From 45 to 65 W, depending on the version
Vibration/single shock resistance		2g/30g	2g/30g
MTBF (GOST 15150-69)		No less than 60 000 hours	No less than 60 000 hours
Operating temperature range**		0...+70°C/ −40...+85°C	0...+70°C/ −40...+85°C
Mezzanine boards	Model	RIO587-01 (4HP), RIO587-02 (8HP)	RIO587-01 (4HP), RIO587-02 (8HP)
	Front panel interfaces	**RIO587-01**: PS/2, 1×RS-232, 2×RS-485, DVI-D, 2×USB 2.0, 2×Gigabit Ethernet **RIO587-02**: PS/2, 4×RS-232, 2×RS-485, DVI-D, 2×USB 2.0, 2×Gigabit Ethernet	**RIO587-01**: PS/2, 1×RS-232, 2×RS-485, DVI-D, 2×USB 2.0, 2×Gigabit Ethernet **RIO587-02**: PS/2, 4×RS-232, 2×RS-485, DVI-D, 2×USB 2.0, 2×Gigabit Ethernet
	Interfaces on the board	**RIO587-01**: 3×RS-232, LPT, CFast, SATA-DOM, LVDS, GPIO **RIO587-02**: LPT, CFast, SATA HDD 2.5", LVDS, GPIO, eDP, HD-AUDIO, 2×PCIe x1, 4×USB 2.0	**RIO587-01**: 3×RS-232, LPT, CFast, SATA-DOM, LVDS, GPIO **RIO587-02**: LPT, CFast, SATA HDD 2.5", LVDS, GPIO, eDP, HD-AUDIO, 2×PCIe x1, 4×USB 2.0

*Target 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 executed application
and can be less than the specified value.
**Operating temperature range depends on the device version