

CEC System Matrix

	CEC10 Family			CEC7*	CEC4*
	CEC11	CEC12	CEC14	-11	-10
Processor	Intel Atom E3815	Intel Atom E3825	Intel Atom E3845	Intel Atom Z530P	RISC SoC ARM
CPU-Speed	1.46 GHz	1.33 GHz	1.91 GHz	1.6 GHz	1.2 GHz
Chipset	SoC			PoulsboXL US15WPT	
Memory	up to 8GB DDR3L ECC			up to 2GB via 200-pin SO-DIMM socket DDR2-533	512MByte DDR2
Temperature Range	-20°C up to +60°C			-20°C to +60°C	-20°C to +60°C
Extended Temp.	-40°C up to +85°C			-40°C to +75°C	-40°C to +85°C
Size	62 x 162 x 118 mm (W x H x D)			62 x 162 x 118 mm (W x H x D)	
Function Overview					
Graphics	DP, Intel HD opt. eDP / VGA			1x DVI-D up to 1920 x 1200 (WUXGA)	n/a
Gbit Ethernet	5			4	3
USB 2.0	3 1x USB 3.0			7	3
PS/2	n/a			1 port, mouse and keyboard combined	n/a
Serial	1 port RS232 opt. 1 RS232 or RS422/485			2 ports opt. RS232 or RS422/485	optional RS232 console port
Storage IF	mSATA, eMMC			2x SATA (up to 300Mbytes/s)	

	opt. 2.5 HD/SSD		
Input Voltage	8 - 36 VDC (reverse polarity and load dump protection)	8 - 36 VDC (reverse polarity and load dump protection)	
Power Consumption	8 - 18W	typically 12W	5-9 W
Expansions	miniPCIe opt. PCIe/104	mini PCIe slot (for WLAN, GPS, Flash, ...)	
Special			microSD

* not recommended for new designs, use CEC10 Family