

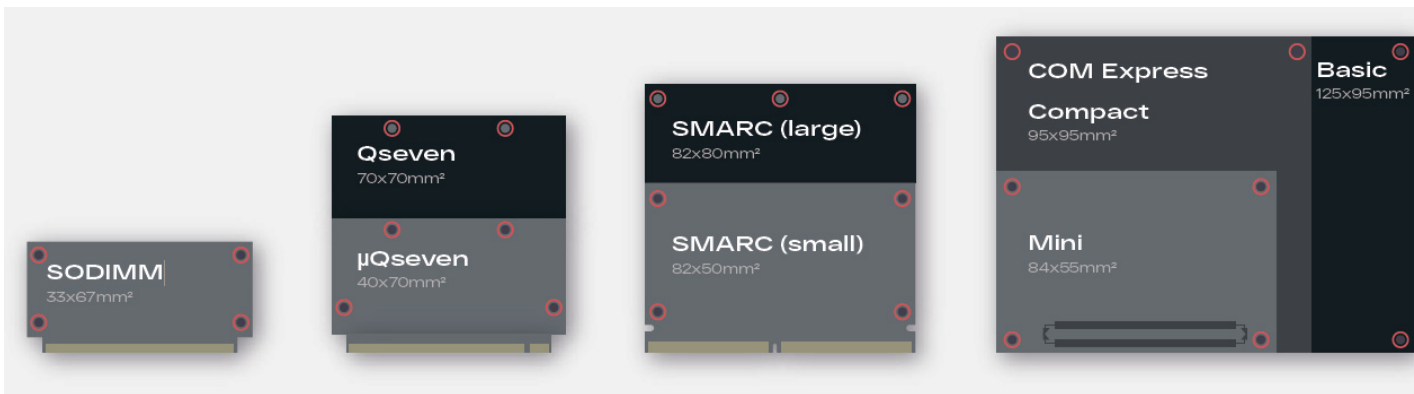
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SOM

https://www.criticallink.com/	FPGA, MCU boards	Intel, TI
https://www.compulab.com/	CPU boards, SBC	NXP, TI
https://www.mixtile.com/	SOMs	Rockchip
https://www.atronik.ru/	SOMs, SBC, CPU modules	Атроник
https://www.data-modul.com/		Data Modul
https://www.congatec.com/		Congatec
https://www.tq-group.com/		TQ-Embedded
https://www.kontron.com/		Kontron
https://edge.seco.com/		Seco
https://www.adlinktech.com/		Adlink
https://www.avnet.com		Avnet
https://www.advantech.com/		Advantech

Форм-факторы процессорных модулей



QSeven

[QSeven](#)

SMARC

[SMARC](#)

Com Express

[COM Express](#)

<https://www.portwell.com/pdf/embedded/PCOM-B634VG.pdf> Portwell

SOM модули

img	struct	link	lan	formfactor	manufacturer	cpu	memc	ram	temprange	cp	hdmi	hdmi	hdmi	ethernet	csi	csi	usb2	usb3	pcie	can	spi	2c	imbus	uart	dimension	bios	datasheet	wiki	page
		adlinktech Lec-el	LEC-EL	SMARC	Adlinktech	Intel® Atom® E6000E Celeron® Pentium® Elkhart Lake	16/32/64 GB LPDDR4x	2/4/8 GB LPDDR4x	0...+60-40...+85 °C	2 (or 1 hdmi)	1 (or ddp)	1 2chior (s/ldpp) (NXP P713440)	1 (2.5 GB) (SPY211)	1 (or edp/ivb: 2ch)			6	2	4 gen 3 (1x4, 2x2, 4x1)	2				4 (2 full)	82x50	AMI Aptio V	link	page	
		advantech som-2532	SOM-2532	SMARC	Advantech	Intel® Atom® E6000E Celeron® Pentium® Elkhart Lake	64 GB LPDDR4x	16 GB LPDDR4x	40...+85 °C	2 (or 1 hdmi)	1 (or ddp)	1 2chior (s/ldpp)	2 (Marvell 88E1512)	1 (or edp/ivb: 2ch)			6	2	4 gen 3 (1x4, 2x2, 4x1)	2				4 (2 full)	82x50	AMI Aptio V	link	page	
		congatec compa-sas	conga SAS	SMARC	Congatec	Intel Atom E3900	32 GB LPDDR4x	8 GB LPDDR4x	40...+85 °C	2 (or 1 hdmi)	1 (or ddp)	1 2chior (s/ldpp)	2 (1210, 1211)	1 (or edp/ivb: 2ch)	2 (x4, x2)		6	2	up to 4 gen2	2		2		4 (2 full)	82x50	AMI Aptio V UEFI 2.x Biosware, B MS serial SPI	link	page	

	kongatec_conga_s47	conga S47	SMARC	Kongatec	Intel Atom E6000E	128 GB	16 GB LPDDR4x	40...+85 °C	2 (or 1 hdmi)	2 (or ddp)	1 2ch/or 6ch/esp)	up to 4	1 (or edp/vids 2ch)	6	2	up to 4 gen3	2	2	2	4 (2 full)	82x50	AMI Aptio 32 MB serial SPI	link	page	
	data_modul_edm-smx-4	4DM-SMX-EL	SMARC	Data Modul	Intel Atom E6000E Celerone® Pentium® 8 (Silicon Lake)	64 GB	16 GB LPDDR4x	40...+85 °C	2 (or 1 hdmi)	1 (or ddp)	1 2ch/or 6ch/esp)	2	1 (or edp/vids 2ch)	6	2	4 gen 3 (1x4, 2x2, 4x1)	2	1 + 1 esp)		4 (2 full)	82x50	AMI Aptio V	link	page	
	kontron_smarc-sxal_e2	SMARC-SXEL E2	SMARC	Kontron	Intel® Atom™ E6000E Celerone® Pentium® 8 (Silicon Lake)	64 GB	16 GB LPDDR4x	40...+85 °C	2 (or 1 hdmi)	1 (or ddp)	1 2ch/or 6ch/esp)	2	1 (or edp/vids 2ch)	6	2	4 gen 3 (1x4, 2x2, 4x1)	2	1 + 1 esp)		4 (2 full)	82x50	AMI Aptio V	link	page	
	seco_som-smarc-eh	SOM-SMARC-EH	SMARC	SECO	Intel® Atom™ E6000E Celerone® Pentium® 8 (Silicon Lake)	64 GB	16 GB LPDDR4x	40...+85 °C	2 (or 1 hdmi)	1 (or ddp)	1 2ch/or 6ch/esp)	2	1 (or edp/vids 2ch)	6	2	4 gen 3 (1x4, 2x2, 4x1)	2	1 + 1 esp)		4 (2 full)	82x50	AMI Aptio V	link	page	
	iq-embedded_tqmx396	TQM4E396	SMARC	TO-Embedded	Intel Atom® E3900 series (Adm) Pentium® M3200 and Celeron® N3350 processors	64 GB	8 GB LPDDR4	40...+85 °C	2 (or 1 hdmi)	1 (or ddp)	1 2ch/or 6ch/esp)	1 (U210)	2	4 (1 OTG)	2	4 gen 3 (1x4, 2x2, 4x1)	1	1	1	4	82x50		link	page	
	iq-embedded_tqmx406	TQM4E406	SMARC	TO-Embedded	Intel Atom™ E6000E (Silicon Lake)	256 GB	16 GB LPDDR4x	40...+85 °C	2 (or 1 hdmi)	1 (or ddp)	1 2ch/or 6ch/esp)	2	1 (or edp/vids 2ch)	4	2	4 gen 3 (1x4, 2x2, 4x1)	2	1 + 1 esp)	1	1	4 (2 full)	82x50		link	page
	iq-embedded_tqmx416	TQM4E416	SMARC	TO-Embedded	Intel Atom™ E7000E Celerone® Pentium® 8 (Silicon Lake)	256 GB	16 GB LPDDR4x	40...+85 °C	2 (or 1 hdmi)	1 (or ddp)	1 2ch/or 6ch/esp)	2 (2 5Gb Intel® 20Gb)	1 (or edp/vids 2ch)	6	2	4 gen 3 (1x4, 2x2, 4x1)	2	1 + 1 esp)		4 (2 full)	82x50		link	page	

- <https://www.kontron.com/en/products/smarc-sxal-e2-smarc-sxal4-e2-/p145462> **E3900**
- <https://www.avnet.com/wps/portal/integrated/products/embedded-boards/smarc-modules/MSC+SM2S-EL?family=/Integrated%20Content/MSC%20Board%20Families/SMARC/MSC%20SM2S-EL&nodeClicked=84b8469d-f5eb-4aae-af12-196a61152620>