

NOVASom S-line was specifically designed to be “no compromise board”, designed for **critical** applications like **railways, military, medical, avionics or automotive applications.**



		SBC-S7B; SBC-S7C; SBC-S8FT
	Processor	CPU
		PERFORMANCE MIPS (COREMARK)
	Graphics	GRAPHICS ENGINE
		VIVANTO
	Memory	RAM memory DDR3 at 64bit
		eMMC flash memory
		μSD slot
	Power	Power supply inversion polarity protected
		Power Consumption [W]
	Multimedia	HDMI full size connector with CEC
		LVDS with backlight power supply
		DD (ttl direct display) connectors (requires adapter)
		MIPI / DSI Interface (requires connector adapter)
		PCAP on LVDS Connector (Dedicated I2C Channel)
		Touch On Board
		IR Input
		PWM for backlight control
	I/O	3,5 mm Audio connector (HP, MIC, Line-in, Line out)
		On strip GPIO @3,3 V
		GPIO configurable signals on carrier connector 120 pin @3,3 V
	USB	USB port Host/Device on TYPE - A
		USB OTG on micro TYPE AB
	Communication	I2C @3,3 V
		SPI with Slave select
		CAN High Speed
		RS485
		PCIExpress BUS on rugged 120 pin carrier connector
		On board SATA with connector
		Console RS232 3 pin Pico Blade Connector
	Networking	RJ 45 Ethernet connector on board (No POE)
		WiFi - BT chipset on board with external antenna
	Generic	Additional nr. 2 user led + lux optical guide
		Keyboard (6 keys + 2 led) connector
		User reset push-button
		SENSORS (MEMS on 9 axis and barometer)
		Enhanced RTC chipset with Backup Battery rechargeable *
		Rugged Expansion 120 pin connector for CARRIER
	Temperature	Operating temperature
	Dimension	Mechanical size
		Form factor
	Operating System	Distributions supported

- UP TO 5 YEARS TOTAL WARRANTY
- 15 YEARS LIFETIME AVAILABILITY
- ONLY INDUSTRIAL COMPONENTS
- FOR INDUSTRIAL AND CRITICAL APPLICATIONS



(*) Enhanced RTC chipset has a max current consumption of 1μA against the 30μA of the built in RTC of the i.MX processor

This is a quick fact sheet: for more information ask your reference Hardware User Manual.

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