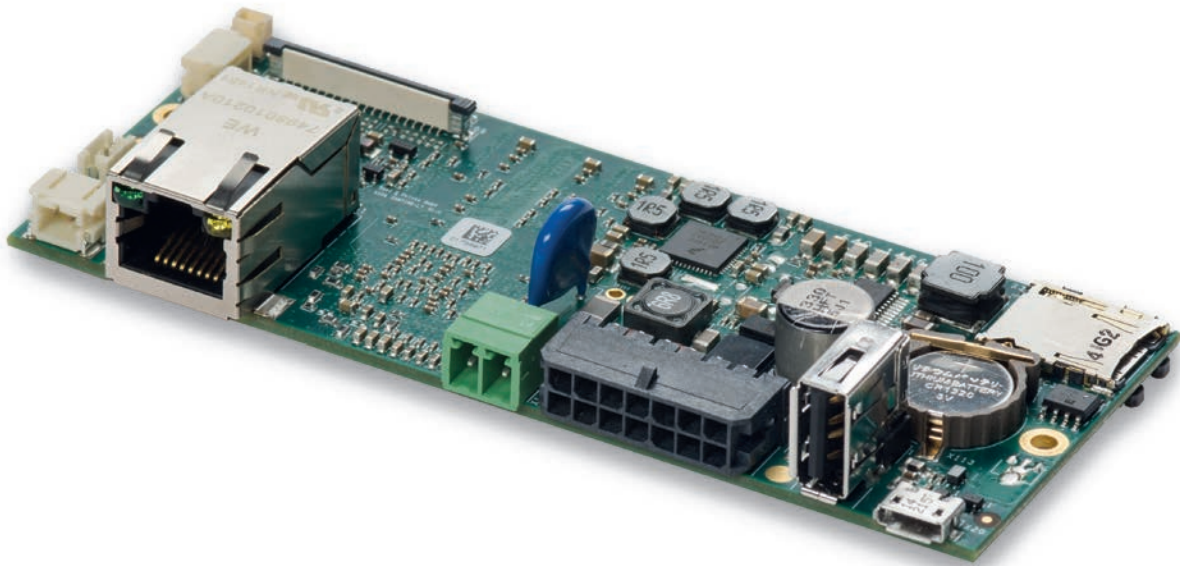
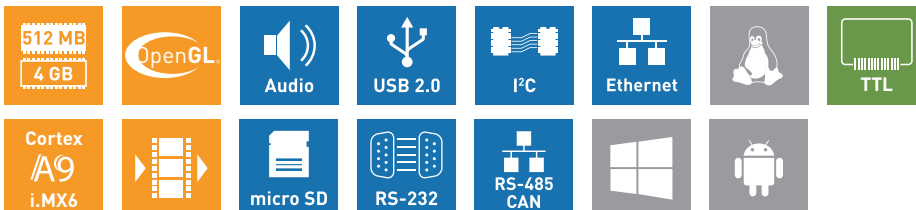


# SANTINO LT core

## ARM Cortex-A9 Single Board Computer



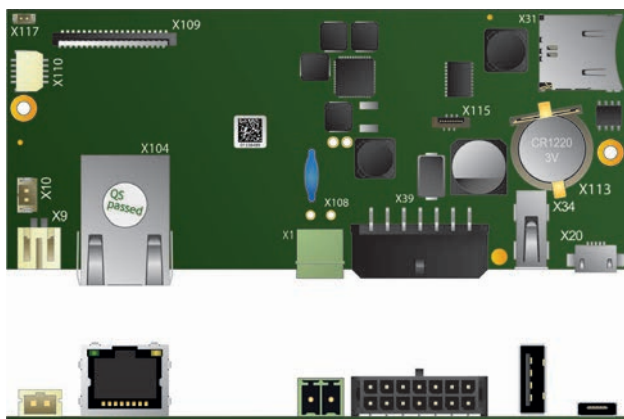
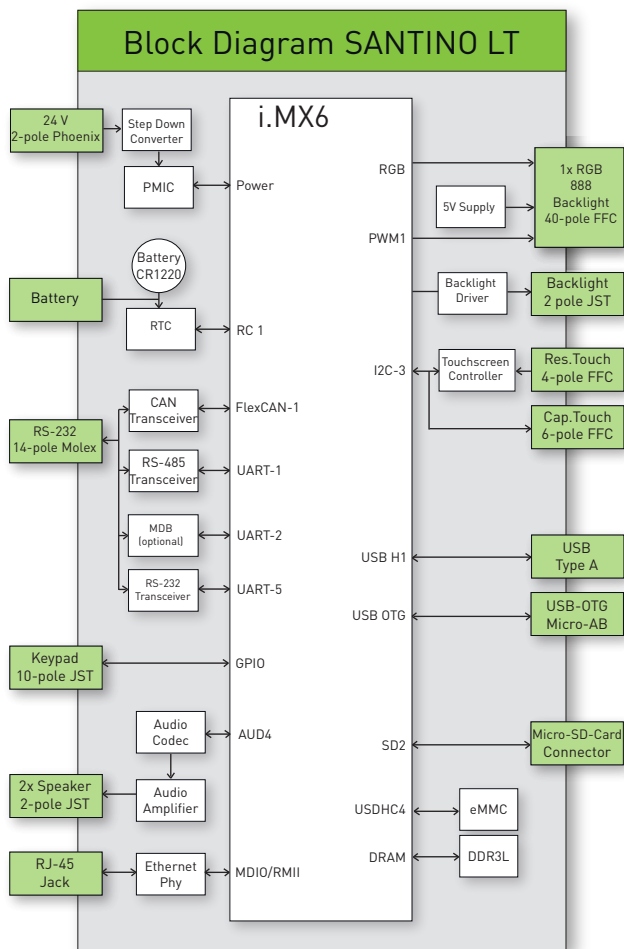
Small sized form factor with high performance for displays up to 5.0".



Online support at [www.garz-fricke.com](http://www.garz-fricke.com)

# TECHNICAL SPECIFICATION

## SANTINO LT Single Board Computer



CPU	x1	x2L
CPU Type	i.MX6Solo	i.MX6DualLite
Core Class	ARM Cortex - A9	
Core Clock	1 GHz	
Features	NEON for SIMD media acceleration and VFP operations; Multi-format HD 1080p video decoder and HD 720p video encoder hardware engine; L1 cache, 32 KB for instruction and data caches; Unified 512 KB L2 cache	
HW Accelerators	OpenGL ES 2.0, OpenVG 1.1 (Emulated on 3D GPU)	
RTC	Accuracy: +/- 30 ppm at 25°C	
<b>Memory</b>		
eMMC Flash	4 GB eMMC	
RAM Standard	512 MB 32 bit DDR3L	1 GB 32 bit DDR3L
Micro SD Card Slot	4 bit MMC/SDIO/SD/SDHC	
<b>Operating Systems</b>		
Supported OS	Windows EC on request, Linux Yocto, Android	
<b>Communication Interfaces</b>		
Network	1x 10/100 Mbit/s Ethernet (RJ-45)	
RS-485	1x RS-485 (Half duplex)	
RS-232	1x RS-232 (RX/TX/CTS/RTS)	
Synchronous Serial Interfaces	I <sup>2</sup> C, Matrix keypad up to 4 x 4	
High-Speed USB 2.0	1x 480 Mbit/s Host (Type A), 1x 480 Mbit/s OTG (Type Micro-AB)	
CAN Fieldbus	1x CAN (ISO/DIS 11898)	
<b>Audio</b>		
Speaker Output	1x speaker (connector), 1.5 W RMS (8Ω)	
Audio Internal	1x speaker connector parallel to external output	
<b>Display and Touch</b>		
Display Interface	TTL, 24 bit (RGB)	
Touch Interface	4-wire analogue resistive; PCAP I <sup>2</sup> C	
Backlight	111 mA Backlight drives	
<b>Device Dimensions</b>		
W x H x D	113.8 x 18.0 x 47.3 mm	
Weight	55 g	
<b>Power Supply</b>		
Supply Voltage	Nom. 9 to 32 V DC	
Consumption	Typ. 1.9 W; max. 15.0 W	
<b>Typical Environmental Conditions</b>		
Storage Temp.	-20 to +70 °C	
Operating Temp.	0 to +60 °C	
Humidity	5 to 95 % RH	

"THIS PRODUCT CAN BE MODIFIED BY ALTERNATIVE ASSEMBLY. PLEASE CONTACT US FOR AVAILABLE OPTIONS."