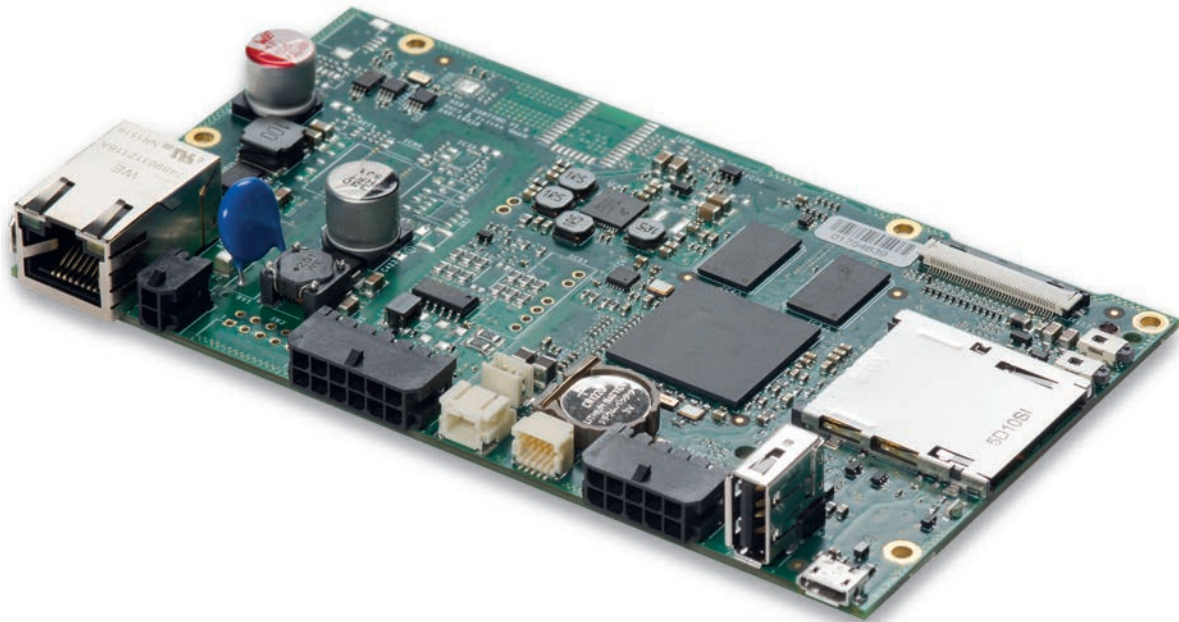
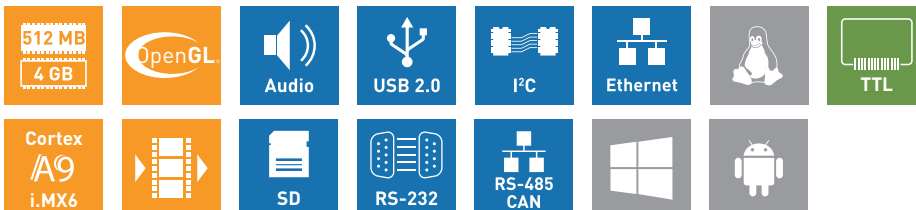


SANTINO core

ARM Cortex-A9 Single Board Computer

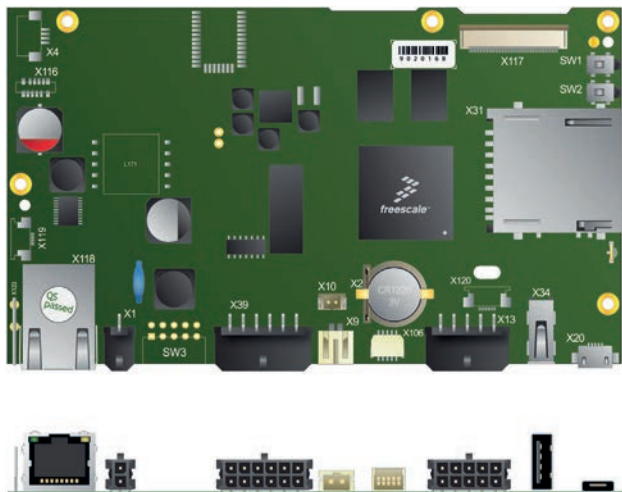
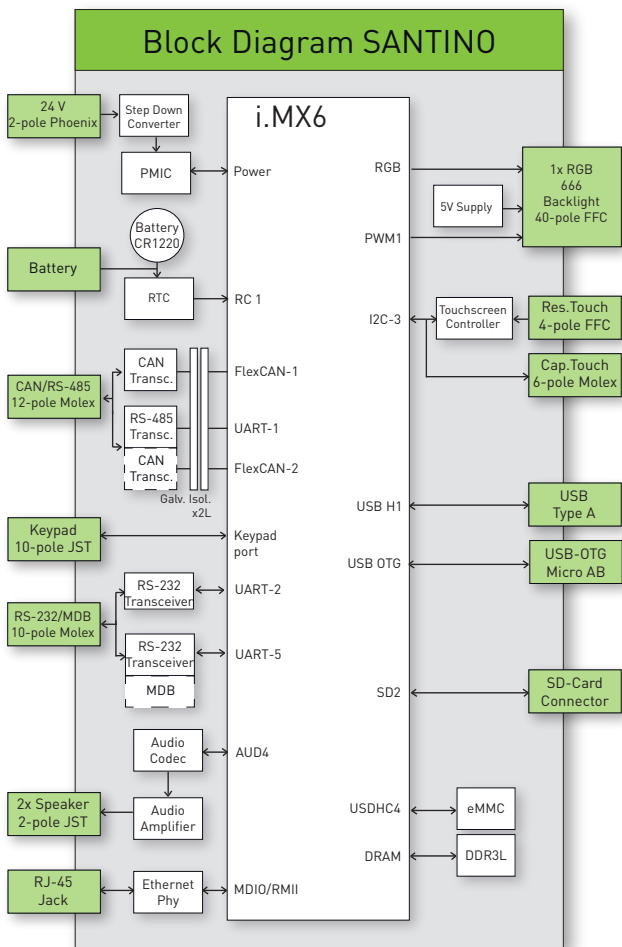


The i.MX6 economy solution for 7.0" TTL displays with industrial features.



TECHNICAL SPECIFICATION

SANTINO 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, 32 KB for data; 512 KB L2 cache	
HW Accelerators	OpenGL ES 2.0, Open VG 1.1 (Emulated on 3D GPU)	
RTC	Accuracy: +/- 30 ppm at 25°C	
Memory		
eMMC Flash	4 GB MLC eMMC	
RAM Standard	512 MB 32 bit DDR3L	1 GB 32 bit DDR3L
SD Card Slot	4 bit MMC/SDIO/SD/SDHC	
Operating Systems		
Supported OS	Windows EC on request, Linux Yocto, Android	
Communication Interfaces		
Network	1x 10/100 Mbit/s Ethernet (RJ-45)	
USB 2.0	1x 480 Mbit/s Host (Type A) 1x 480 Mbit/s OTG (Type Micro-AB)	
CAN Fieldbus/ RS-485	1x CAN (ISO/DIS 11898) + 1x RS-485	1x CAN (ISO/DIS 11898) + 1x RS-485 galvanic isolated
RS-232	2x RS-232 (RX/TX/CTS/RTS)	
Synchronous Serial Interfaces	I ² C, Matrix keypad up to 4 x 4	
Audio		
Speaker Output	1x speaker (connector), 1.5 W RMS (8Ω)	
Audio Internal	1x speaker connector parallel to external output	
Display and Touch		
Display Interface	TTL, 18 bit (RGB)	
Touch Interface	4-wire analogue resistive; PCAP I ² C	
Device Dimensions		
W x H x D	138.0 x 18.0 x 80.0 mm	
Weight	97g	
Power Supply		
Supply Voltage	Nom. 9 to 32V DC	
Consumption	Typ. 2.0; max. 19.6 W	
Typical Environmental Conditions		
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."