

SOLUTIONS THAT COMPLETE!

GARZ  **FRICKE**

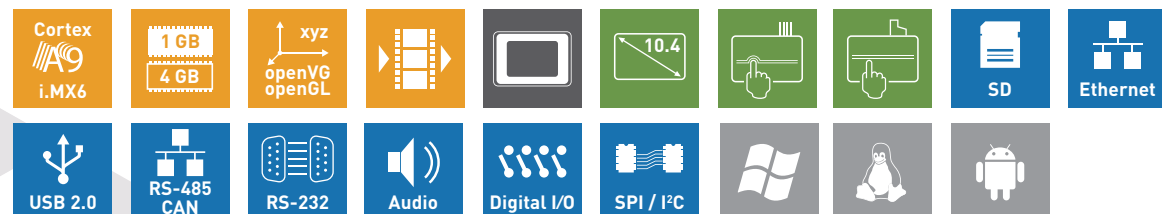
SANTARO10.4 boxed PCT

ARM Cortex-A9 panel mount HMI



Freescale CPU		Singlecore	Dualcore	Quadcore
Class		Freescale ARM® Cortex™- A9 i.MX6S/D/Q		
Cores		1	2	4
Type/Clock		800 MHz1 GHz per core		
Features		NEON for SIMD media acceleration and VFP operations L1 cache, 32 KB for instruction, 32 KB for data 512 KB L2 cache (Singlecore) 1 MB L2 cache (Dual- and Quadcore) Multi-format HD 1080p video decoder and HD 720p video encoder hardware engine		
HW Accelerators		OpenGL® ES 2.0, OpenVG™1.1		
RTC		Depending on ambient temperature Standard time ´s deviation: +/- 30 ppm at 25°C		
Memory				
eMMC Flash		4 GByte eMMC Flash		
RAM Standard [DDR3]		512 MB 32-Bit	1 GB 64-Bit	
RAM Maximum		Up to 2GByte DDR3 SDRAM		
SRAM		512 KB		
SD Card Slot		4 bit MMC/SDIO/SD/SDHC		
Operating Systems				
Supported OS		Windows® Embedded Compact 7, Linux, Android™ 4.2.2		
Interfaces		Singlecore	Dualcore	Quadcore
Network		10/100 Mbit/s Ethernet		
Serial		2x RS-232 (RX/TX/CTS/RTS)	2x RS-232 (RX/TX/CTS/RTS)	
		1x RS-485 galvanic isolated (RTS)	1x RS-485 galvanic isolated (RTS)	
Synchronous Serial Interfaces		SPI (10 MBit/s) up to 12 chip selects; I²C Matrix keypad up to 8 x 8		
High-Speed USB 2.0		2x 480 Mbit/s Host (Type A) 1x 480 Mbit/s OTG (Type Micro-AB)		
CAN Fieldbus			1x CAN (ISO/DIS 11898) galvanic isolated	
Digital I/O			2x Input 2x Output (0.7A)	
Speaker output		2x speaker (connector) 1.5W RMS (8Ω)		
Display and Touch		boxed		boxed PCT
Size [mm]		10.4" (264.0)		
Orientation		6 o'clock		
Colors [bit]		18 (262 K colors)		
Backlight Unit		LED		
Touch Technology		4-wire analog resistive		Projected capacitive
Surface Properties		Anti glare		
Width x Height [px]		800 x 600		
Luminance [cd/m²]		400*		500*
Active Area [mm]		211.2 x 158.4		
Housing				
Metal Parts		1.4016 high quality steel		
Front	Frame	Light metall		
	Décor	black	black, Heat strengthened safety glass	
Protection class		IP66		
Device Dimensions				
W x H x D [mm]		279.2 x 224.0 x 34.5		
Weight [g]		Typ. 8.0		
Power Supply				
Supply [V DC]		Nom. 12 ~ 24, max. 16 ~ 36		
Consumption [W]		Typ. 8.1		
Typical Environmental Conditions				
Storage Temp. [°C]		-20 to +70		
Operating Temp. [°C]		0 to +60		
Humidity [%RH]		5 to 90		

*Luminance of the resistiv version applies to the entire device.
Luminance of the capacitive version applies to the device without touch (with capacitive touch approx. 85%)



Online support on www.garz-fricke.com