

# Standard HMI - SIMx52

**High value and flexible base for your embedded HMI project.**

## Key Features & Benefits

- Scalable and power efficient
- Combines all necessary functions for your product
- Well suited for all real-time control applications
- Provides high performance without excessive complexity



## Technical Specifications

	Family	SIMx52
	Not all combinations are possible. Please contact our E2IP team for more information.	
<b>PRODUCT</b>	Variant	A01 / A05
	LCD	C42ALMBA / R43ALMBA / C85LLDF / C43ALMDM / C43ALMDK / R43ALLDA / C85LLDF
	LCD special features	~1mm / ~1mm AG / ~3mm w/ASF / ~3mm AG
	Options	N/A
	Qty / MUL	05 / 10
	Type	Standard / Special Order
<b>DISPLAY</b>	LCD Type brightness NITs	400+ / 800+
	Color depth (bit)	24
	Resolution	480x272 / 800x480
	LCD view type	MVA / Landscape
	LCD size (Inches)	4,3 / 7
	LCD and operating Temp (C)	minus 20 to +70 / minus 3 to +80
	LCD Min Backlight Halflife (kHrs)	20 / 30 / 50

<b>TOUCH SCREEN</b>	Touch	Capacitive / Resistive 4-wire
	Life	20K / 30K / 50K
	Ambient Light Sensor	Y / N
<b>ELECTRICAL</b>	Vin DC (V)	10,8 to 35
	User LED	N/A
<b>SYSTEM</b>	MCU Family	RZ/A1L
	MCU Core (MHz)	400
	MCU Core type	ARM Cortex A9
	MCU Core count	1
	MCU Core flash (kB)	N/A
	MCU Core RAM (kB)	3072
	SPI NOR Flash (MB)	4
	SPI NAND Flash (MB)	128
	e.MMC (GB)	N/A
	SDCard Socket	Y / N
	RAM Size (MB)	16 / 32
	RAM Type	SDRAM
	RAM Speed (MHz)	66
	Battery racked RTCC	Y
<b>USB PORTS</b>	USB Hosts Ports	1 / N/A
	USB Hosts Connectors	1 / N/A
	USB Host Speed (Mbps)	480 N/A
	USB Device Ports	1
	USB Device Connector	1
	USB Device Speed (Mbps)	480
<b>I/O PORTS</b>	UART	1
	RS485 Transceiver	1 / N/A
	CAN channels	N/A
	CAN Tranceiver	N/A
	LIN channels	N/A
	I2S	1
	I2C	1
	Ethernet channels	N/A
	Ethernet RJ45	N/A
	WiFi	N/A
	BT	N/A
	802.15.4	N/A
RGB led Drivers	N/A	
Audio Output	I2S+Line Out+Speaker 3W Amp / I2S	
GUI Development BSP		SHIPTide
		SHIPCore



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a specialist at e<sub>2</sub>ip technologies.

We're always looking forward to  
hearing from you!

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