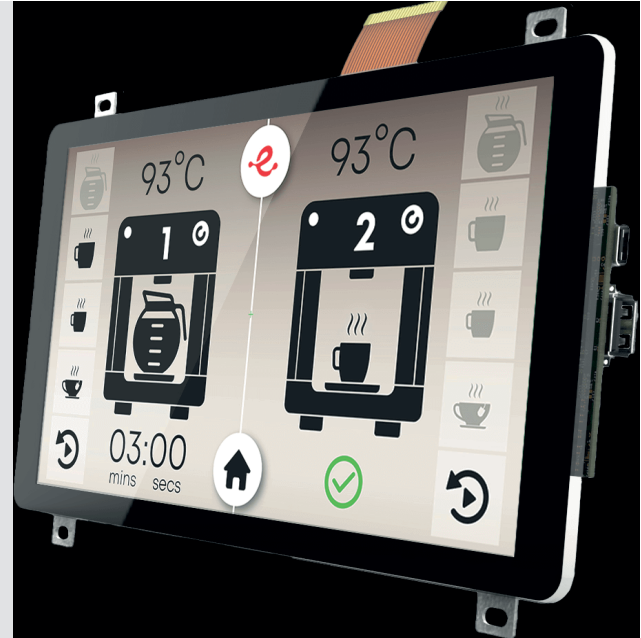


Streamlined HMI - SIMx11

Cost-Effective Flexibility for your Embedded HMI Project

Key Features & Benefits

- Enables cost focus without compromising quality or scalability
- Combines essential functions with balanced cost
- Uses ultra low power and supports advanced graphic abilities
- High level of integration reduces the need for external components



Technical Specifications

PRODUCT	Family	SIMx11
	Not all combinations are possible. Please contact our E2IP team for more information.	
	Variant	A01
	LCD	C85LLDF / C43ALMDM/ C43ALMDK / R43ALLDA / C85LLSFM / C33ALSFG
	LCD special features	~3mm w/ASF / ~3mm AG / ~1mm AG / ~1mm / ~1mm AG+AF
	Options	CC
	Qty / MUL	5
	Type	Special Order / Standard
DISPLAY	LCD Typ brightness NITs	300+ / 400+ / 500+ / 800+
	Color depth (bit)	24
	Resolution	480x272 / 800x480
	LCD size (Inches)	4,3 / 5 / 7
	LCD and operating Temp (C)	minus 20 to +70 / minus 30 to +80 / 0 to +50
	LCD Min Backlight Halflife (kHrs)	30 / 50

TOUCH SCREEN	Touch	Capacitive / Resistive 4-Wire
	Life	30K / 50K
	Ambient Light Sensor	Y / N
ELECTRICAL	Vin DC (V)	7 to 35
	User LED	N/A
SYSTEM	MCU Family	STM32U599
	MCU Core (MHz)	1000
	MCU Core type	ARM Cortex A7
	MCU Core count	2
	MCU Core flash (kB)	4
	MCU Core RAM (kB)	2,5
	SPI NOR Flash (MB)	4
	SPI NAND Flash (MB)	N/A
	e.MMC (GB)	4
	SDCard Socket	1
	RAM Size (MB)	128
	RAM Type	DDR3
	RAM Speed (MHz)	1333
	Battery backed RTCC	Y
USB PORTS	USB Hosts Ports	1
	USB Hosts Connectors	1
	USB Host Speed (Mbps)	480
	USB Device Ports	1
	USB Device Connector	1
	USB Device Speed (Mbps)	480
I/O PORTS	UART*	1
	RS485 Transceiver	1
	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	Yes and N/A
	BT	N/A
	802.15.4	N/A
RGB LED Drivers	N/A	
Audio Output	EM Sounder	
GUI Development BSP		Touch GFX graphics SHIPCore



**Transforming the surfaces we
touch in our everyday lives.**

For more information, speak with
a specialist at e₂ip technologies.

We're always looking forward to
hearing from you!

info@e2ip.com
1 866-631-6662

750 Marcel-Laurin, Suite 375
St-Laurent, Québec
H4M 2M4
Canada

e2ip.com

